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REPORT  
MINISTER OF EDUCATION,  
PROVINCE OF ONTARIO,  
(CANADA)

1899.











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Ontario. Education, Sep. 1

# REPORT

OF THE

# MINISTER OF EDUCATION

(ONTARIO)

FOR THE YEAR

1899

WITH THE STATISTICS OF 1898.


PRINTED BY ORDER OF  
THE LEGISLATIVE ASSEMBLY OF ONTARIO.



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TORONTO:  
WARWICK BROS & RUTTER, PRINTERS, &C., 68 AND 70 FRONT ST. WEST,  
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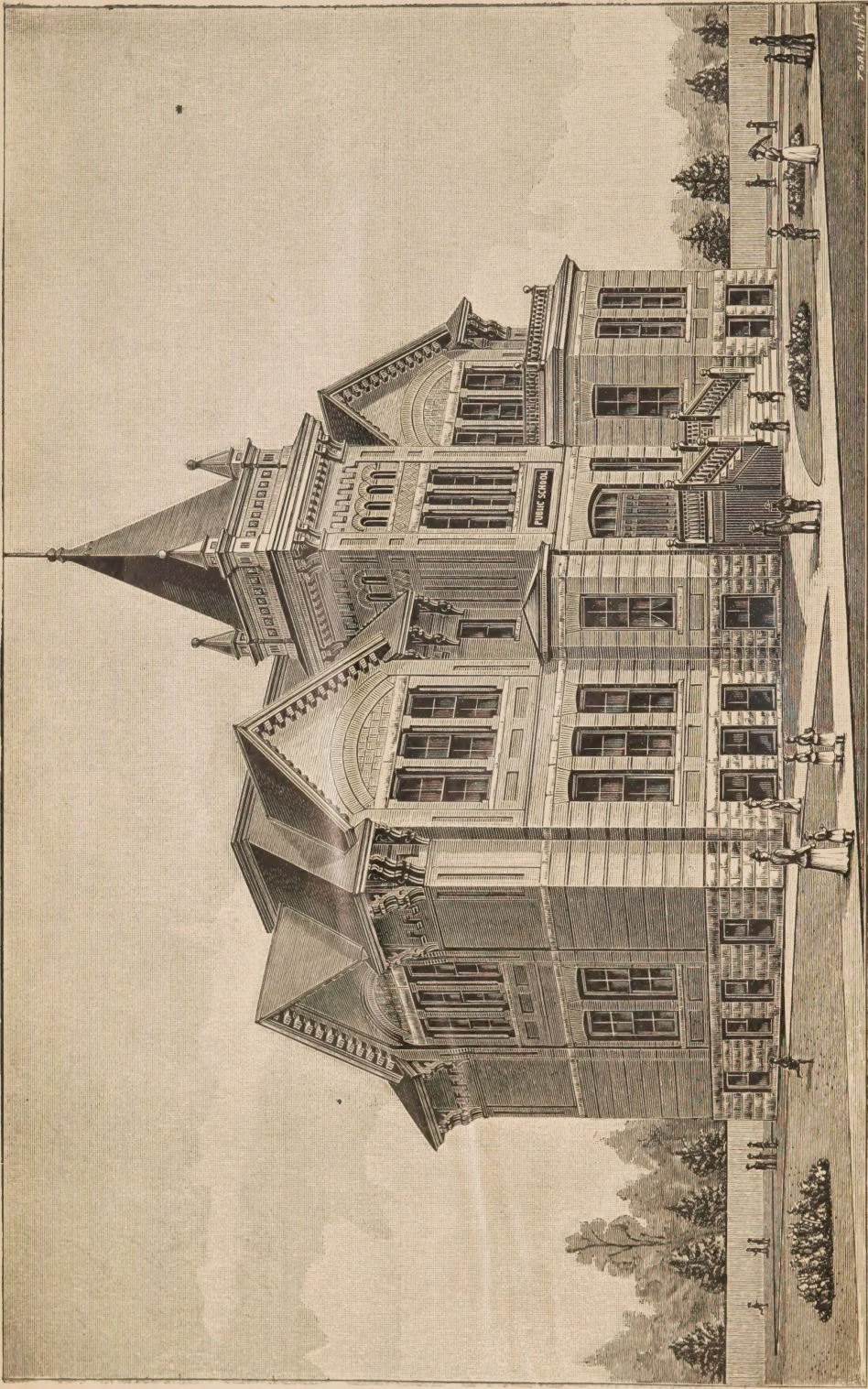


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PUBLIC SCHOOL, ROSEDALE, TORONTO.



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GENERAL REPORT, 1899.

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# REPORT

## OF THE

# MINISTER OF EDUCATION

## FOR THE YEAR 1899

WITH THE STATISTICS OF 1898.

TO THE HONORABLE SIR OLIVER MOWAT, K.C.M.G.,

*Lieutenant-Governor of the Province of Ontario.*

MAY IT PLEASE YOUR HONOR:

I herewith present the Report of the Education Department for the year 1899, together with the statistics for the year 1898.

### SUMMARY OF STATISTICS.

*\* Elementary Schools.*

Number of Public Schools.....	5,587
Increase for the year .....	13
Number of Roman Catholic Separate Schools .....	345
Increase for the year.....	5
Number of Protestant Separate Schools.....	8
Number of Kindergartens.....	116
Number of teachers.....	240
Number of Night Schools.....	18
Number of teachers.....	42
Amount expended for Public School Houses (sites and buildings).....	\$426,422
“       “       Public School teachers' salaries.....	\$2,747,159
“       “       all other purposes .....	\$869,652

\* The Curriculum of Elementary Schools embraces the following subjects: Reading, Writing, Arithmetic, Composition, Drawing, English Literature, Geography, Music, Grammar, History, Physiology and Temperance, Drill and Calisthenics, Bookkeeping, Algebra, Geometry, Botany, Elementary Physics, Agriculture.

Total amount expended on Public Schools .....	\$4,043,233
Increase .....	\$129,732
Number of persons in the Province between the ages of 5 and 21.....	591,300
Increase for the year .....	1,245
Number of registered pupils of all ages in the Public Schools during the year ....	436,727
Decrease for the year .....	4,430
Average attendance of pupils in the Public Schools during the year .....	247,780
Decrease for the year .....	768
Number of pupils in Roman Catholic Separate Schools .....	41,667
Increase for the year .....	47
Average attendance of pupils in Roman Catholic Separate Schools.....	25,671
Increase for the year .....	675
Number of pupils in Protestant Separate Schools .....	505
Decrease for the year .....	38
Average attendance of pupils in Protestant Separate Schools .....	266
Decrease for the year .....	55
Number of pupils attending Kindergartens .....	11,083
Increase for the year .....	390
Average attendance of pupils at Kindergartens.....	4,573
Increase for the year .....	211
Number of pupils attending Night Schools .....	1,504
Increase for the year .....	98
Average attendance of pupils at Night Schools.....	363
Increase for the year .....	46
Percentage of average attendance to total attendance in Public Schools.....	57
Number of persons employed as teachers in the Public Schools during the year :	
Men, 2,656 ; women, 5,809 ; total .....	8,465
Decrease : men, 34 ; increase : women, 123 ; increase.....	89
Number of teachers who have attended a Normal School .....	3,585
Increase for the year .....	106
Number of teachers who have attended a County Model School in 1899.....	1,271
Average annual salary of male teachers in Public Schools .....	\$396
Increase for the year .....	\$5
Average annual salary of female teachers in Public Schools .....	\$293
Decrease for the year .....	\$1

*\* Secondary Schools.*

Number of High Schools (including 37 Collegiate Institutes).....	130
Number of teachers in High Schools .....	571
Decrease for the year .....	8
Number of pupils in High Schools .....	23,301
Decrease for the year .....	1,089
Amount expended for High School teachers' salaries .....	\$531,887
"                    "          houses (sites and buildings) .....	\$52,266
"                    all other High School purposes.....	\$144,856
Total amount expended on High Schools .....	\$729,009

\* The Curriculum of Secondary Schools includes all the subjects required for matriculation into the University.



## I.—PUBLIC SCHOOLS.

## 1.—SCHOOL POPULATION—ATTENDANCE.

*School Population.*

The school population of the Province, as ascertained by the assessors, is as follows :

Year.	School age.	School population.	Pupils registered, under 5.	Pupils registered, 5 to 21.	Pupils registered, over 21.	Total number of registered pupils.	Average attendance.	Percentage of average attendance to total number attending school.
1867.....	5—16	447,726	.....	*380,511	+21,132	401,643	163,974	41
1872.....	5—16	495,756	.....	*433,664	+20,998	454,662	188,701	42
1877.....	5—16	494,804	1,430	488,553	877	490,860	217,184	44
1882.....	5—16	483,817	1,352	469,751	409	471,512	214,176	45
1887.....	5—21	611,212	1,569	491,242	401	493,212	245,152	50
1892.....	5—21	595,238	1,636	483,643	391	485,670	253,830	52
1897.....	5—21	590,055	1,385	481,120	272	482,777	273,554	56
1898.....	5—21	591,300	1,387	476,584	223	478,194	273,451	57

\* 5—16

† Other ages.

NOTE.—The Minister's Report (for purpose of comparison with previous years in which the R. C. Separate Schools were included with Public Schools) includes R. C. Separate Schools. In the Statistical Tables, A, B, C, D, E, the Separate Schools are excluded.

## 2.—CLASSIFICATION OF PUPILS.

Year.	1st Reader—Parts I. and II.	2nd Reader.	3rd Reader.	4th Reader.	5th Reader.	Writing.	Arithmetic.	Drawing.	Geography.	History.	Music.	Grammar and Composition.	Temperance and Hygiene.
1867 ..	79,365	98,184	83,211	68,896	71,987	231,734	241,501	5,450	272,173	61,787	47,618	147,412	.....
1872 ..	160,828	100,245	96,481	67,440	29,668	322,688	327,218	57,582	327,139	109,639	110,083	282,156	.....
1877 ..	153,630	108,678	135,824	72,871	19,857	396,006	402,248	153,036	375,951	116,865	168,942	226,977	.....
1882 ..	165,834	106,229	117,352	71,740	10,357	398,401	419,557	176,432	280,517	150,989	158,694	209,184	33,926
1887 ..	192,361	100,533	108,096	81,984	10,238	466,389	469,445	395,097	316,791	194,754	203,567	570,856	71,525
1892 ..	187,947	96,074	99,345	88,934	13,370	465,516	470,813	435,239	334,947	253,956	220,941	294,331	171,594
1897 ..	181,375	91,330	99,682	89,314	21,076	465,525	471,869	448,444	342,189	284,025	233,915	316,787	215,343
1898 ..	179,360	90,624	97,693	89,670	20,847	464,460	469,603	447,813	343,759	284,153	245,370	313,637	219,776

From the statistics given it will be seen that the number of pupils in the 3rd and 4th Forms has been steadily increasing. There is also a very gratifying increase in the number studying History, Geography, Grammar and Composition. The provisions in the

regulations of 1885, whereby Canadian history was made compulsory for entrance to the High Schools, has led no doubt to a better knowledge of these great events which affect the destiny of the Dominion, and which cannot fail, on account of their importance, to be stimulating to the patriotism of all pupils attending the schools of the Province.

### *Temperance and Hygiene.*

It is also worthy of notice that the number of pupils receiving instruction in Temperance and Hygiene has increased from 33,926, in 1882, to 219,776, in 1898. Having regard to the great importance of the knowledge of physiology and the injurious effects of alcoholic stimulants on the human system, provision was made by the statute in 1886 for placing this subject on the course of study for Public Schools. Instruction was also provided under departmental regulation for teachers in-training at County Model Schools and Normal Schools, to be followed by an examination as an essential pre-requisite to their final recognition as duly qualified teachers. In 1893, this subject was made compulsory for entrance to High Schools and Collegiate Institutes, so that no pupil who pursues his studies as far as the 5th Form can fail to be reasonably well acquainted with the conditions on which his health and physical vigor depend, as well as with the dangerous tendency of stimulants and narcotics to produce weakness and disease.

### *Kindergartens.*

The system of Kindergarten instruction, first introduced into Ontario in 1882, and subsequently made part of the School System of the Province, by the Public Schools Act of 1885, has met with encouraging success. A report of the pupils receiving instruction in this way was first made in 1892. The report showed that in the short space of ten years, 69 Kindergartens were established, with 160 teachers, attended by 6,375 children under six years of age. In 1898 the number of Kindergartens had increased to 116, with 240 teachers, attended by 11,083 pupils under six years of age.

### *Night Schools.*

The whole number of Night Schools aided in 1898 was 18, the number of teachers 42, and the number in attendance 1,504. This number does not include the attendance upon the classes established by Mechanics Institutes and Art Schools.

## 3. TEACHERS' CERTIFICATES AND SALARIES.

### *Teachers' Certificates.*

Year.	Public school teachers.	Male.	Female.	1st class.	2nd class.	3rd class.	Other certificates, including old County Boards, etc.	Number of teachers who attended Normal Schools.
1867.....	4,890	2,849	2,041	1,899	2,454	386	151	666
1872.....	5,476	2,626	2,850	1,337	1,477	2,084	578	828
1877.....	6,468	3,020	3,448	250	1,304	3,926	988	1,084
1882.....	6,857	3,062	3,795	246	2,169	3,471	971	1,873
1887.....	7,594	2,718	4,876	252	2,553	3,865	924	2,434
1892.....	8,480	2,770	5,710	261	3,047	4,299	873	3,038
1897.....	9,128	2,784	6,344	343	3,386	4,465	934	3,643
1898.....	9,209	2,743	6,466	450	3,456	4,364	939	3,875



*Teacher's Salaries.*

Year.	Highest salary paid.	Average salary, male teacher, province.	Average salary, female teacher, province.	Average salary, male teacher, counties.	Average salary, female teacher, counties.	Average salary, male teacher, cities.	Average salary, female teacher, cities.	Average salary, male teacher, towns.	Average salary, female teacher, towns.
1867.....	\$ 1,350	\$ 346	\$ 226	\$ 261	\$ 189	\$ 532	\$ 243	\$ 464	\$ 240
1872.....	1,000	360	228	305	213	623	245	507	216
1877.....	1,100	398	264	379	251	735	307	583	269
1882.....	1,100	415	269	385	248	742	331	576	273
1887.....	1,450	425	292	398	271	832	382	619	289
1892.....	1,500	421	297	383	269	894	402	648	298
1897.....	1,500	391	294	347	254	892	425	621	306
1898.....	1,500	396	293	346	250	888	448	626	291

## 4 RECEIPTS AND EXPENDITURE.

Year.	Receipts.				Expenditure.					
	Legislative grants.	Municipal school grants and assessments.	Clergy reserve funds, balances and other sources.	Total receipts.	Teachers' salaries.	Sites and building school houses.	Maps, apparatus, prizes, etc.	Rent, repairs, fuel and other expenses.	Total expenditure.	Cost per pupil.
1867...	\$ 187,153	\$ 1,151,583	\$ 331,599	\$ 1,670,335	\$ 1,093,517	\$ 149,195	\$ 31,354	\$ 199,123	\$ 1,473,189	\$ 3.67
1872...	225,318	1,763,492	541,460	2,530,270	1,371,594	456,043	47,799	331,928	2,207,364	4.85
1877...	251,962	2,422,432	730,687	3,405,081	2,038,099	477,893	47,539	510,458	3,073,489	6.26
1882...	265,738	2,447,214	757,038	3,469,990	2,144,449	341,918	15,583	525,025	3,026,975	6.42
1887...	268,722	3,084,352	978,283	4,331,357	2,458,540	544,520	27,509	711,535	3,742,104	7.59
1892...	283,791	3,300,512	1,227,596	4,811,899	2,752,629	427,321	40,003	833,965	4,053,918	8.40
1897...	366,538	3,361,562	1,260,055	4,988,155	2,886,061	391,680	60,585	887,335	4,215,670	8.73
1898...	367,010	3,537,352	1,315,083	5,219,444	2,914,830	529,503	63,298	885,078	4,392,714	9.19

## II.—ROMAN CATHOLIC SEPARATE SCHOOLS.

Year.	Schools—Expenditure—Teachers.				Number of pupils attending—Number of studies.							
	School open.	Total receipts.	Total expenditure.	Teachers.	Pupils.	Reading.	Writing.	Arithmetic.	Geography.	Grammar.	Drawing.	Temperance and hygiene.
1867...	161	48,628	42,719	210	18,924	18,924	10,749	10,559	8,666	5,688	.....	.....
1872...	171	68,810	61,817	254	21,406	21,406	13,699	12,189	8,011	7,908	.....	.....
1877...	185	120,266	114,806	334	24,952	24,952	17,932	17,961	13,154	11,174	.....	.....
1882...	190	166,739	154,340	390	26,148	26,148	21,052	21,524	13,900	11,695	7,548	2,033
1887...	229	229,848	211,223	491	30,373	30,373	27,824	28,501	19,608	18,678	21,818	8,578
1892...	312	326,034	289,838	662	37,466	37,466	35,565	35,936	26,299	22,755	32,682	11,056
1897...	340	335,324	302,169	752	41,620	41,620	39,724	40,165	27,471	26,071	36,462	18,127
1898...	345	389,185	349,481	744	41,667	41,667	41,473	41,396	29,578	24,138	37,345	17,964

III.—PROTESTANT SEPARATE SCHOOLS.

The complete list of Protestant Separate Schools is as follows :

No. 5 Bromley, No. 9 Cambridge, No. 1 Marlboro', No. 6 Plantagenet North, Puslinch, Rama, L'Original, Penetanguishene.

They were attended by 505 pupils. The whole amount expended for their maintenance was \$4,895. One teacher held a First Class, five a Second Class, five a Third Class, and one a Temporary Certificate.

IV.—HIGH SCHOOLS.

(Including Collegiate Institutes.)

I.—RECEIPTS, EXPENDITURE, ATTENDANCE, ETC.

The following statistics respecting High Schools will be found suggestive :

Year.	School Open.	Teachers.	Receipts.			Expenditure.			Pupils.	Percentage of average attendance to total attendance.	Cost per pupil.
			Amount of fees.	Legislative grant.	Total Receipts.	Paid for teachers' salaries.	Paid for sites and building school houses, rents and repairs.	Total expenditure.			
			\$	\$		\$	\$	\$	\$	%	\$
1867.....	103	159	15,605	54,562	134,579	94,820	19,190	124,181	5,696	55	21 80
1872.....	104	239	20,270	79,543	223,269	141,812	31,360	210,005	7,968	56	26 36
1877.....	104	280	20,753	78,762	357,521	211,607	51,417	343,710	9,229	56	37 24
1882.....	104	332	29,270	84,304	373,150	253,864	19,361	343,720	12,348	53	27 56
1887.....	112	398	56,198	91,977	529,323	327,452	73,061	495,612	17,459	59	28 38
1892.....	128	522	97,273	100,000	793,812	472,029	91,108	696,114	22,837	60	30 48
1897.....	130	579	110,859	101,250	767,487	532,837	46,627	715,976	24,390	61	29 35
1898.....	130	571	104,486	100,203	779,451	531,887	52,266	729,009	23,301	60	31 54

2 — CLASSIFICATION, ETC.

Year.	English.					Mathematics.				Science,		
	English Grammar and Rhetoric.	English Composition	Poetical Literature,	History.	Geography.	Arithmetic and Mensuration.	Algebra.	Geometry.	Trigonometry.	Physics.	Chemistry.	Botany.
1867..	5,467	4,091	.....	4,634	5,264	5,526	2,841	1,847	141	1,876	840	.....
1872..	7,884	7,278	.....	7,513	7,715	7,834	6,033	2,592	174	1,921	1,151	.....
1877..	8,819	8,772	.....	9,106	9,158	9,227	8,678	8,113	359	2,168	2,547	.....
1882..	12,275	12,189	.....	12,220	12,106	12,261	11,742	11,148	397	2,880	2,522	.....
1887..	17,086	17,171	16,649	17,010	16,962	16,939	16,904	14,839	1,017	5,265	3,411	4,640
1892..	22,530	22,525	22,468	22,328	22,118	21,869	22,229	17,791	1,154	6,601	3,710	6,189
1897..	19,591	24,195	24,176	18,318	13,747	19,798	24,105	16,788	1,652	11,002	5,489	12,892
1898..	17,671	22,986	23,067	18,696	11,856	17,751	22,835	16,439	1,409	10,296	5,391	11,375

## CLASSIFICATION, ETC.

Year.	Languages.				Drawing.	Vocal Music.	Bookkeeping and commercial transactions.	Left for mercantile life.	Left for agriculture.	Who joined learned profession.	Matriculated.	Number of schools charging fees.
	Latin.	Greek.	French.	German.								
1867.....	5,171	802	2,164	.....	676	.....	1,283	.....	.....	.....	56	57
1872.....	3,860	900	2,828	341	2,176	.....	3,127	486	300	213	78	28
1877.....	4,955	871	3,091	442	2,755	.....	3,621	555	328	564	145	35
1882.....	4,591	815	5,363	962	3,411	.....	5,642	881	646	751	272	37
1887.....	5,409	997	6,180	1,350	14,295	1,955	14,064	1,141	882	791	305	58
1892.....	9,006	1,070	10,398	2,796	16,980	948	16,700	1,111	1,006	398	471	77
1897.....	16,873	1,421	13,761	5,169	12,252	160	11,647	1,368	1,153	409	652	87
1898.....	19,313	1,456	13,866	6,288	10,947	30	11,026	1,491	1,050	499	837	79

*Classification.*

From a study of the classification of High Schools and Collegiate Institutes, two or three very striking changes in the tendency of higher education may be worthy of notice. For instance, in 1867, only 1,283 pupils, or 23 per cent. of the whole number, studied commercial subjects, such as Bookkeeping; in 1898 this subject was taken by 11,026 pupils, or 47 per cent. of the whole attendance. In 1867, 5,171 pupils, or 90 per cent. of the whole attendance, studied Latin; in 1898 the number of pupils in Latin was 19,313, about 83 per cent. of the number in attendance. In 1867, 15 per cent. studied Greek; in 1898, only six per cent. were engaged in studying this subject. In 1867, 38 per cent. of pupils studied French, and none studied German; in 1898 these numbers had increased to 60 per cent. and 27 per cent. respectively. There also has been a large increase in the number studying Drawing, the total in 1867 being 676, and in 1898, 10,947.

*Diffusion of High School Education.*

When the High School System of the Province was first inaugurated, its primary object was to prepare pupils for the learned professions, and especially for the University. While in that respect our High Schools amply fulfil their original purpose, in later years the course of education which they provide has been considered a desirable qualification for various other pursuits in life. Many young men in preparing for mercantile life or for agriculture take advantage of the High School, perhaps not so much because of the direct training which it gives for their intended calling as for the superior culture which it provides. In 1872, 486 High School pupils, when they had finished their High School education, entered mercantile life. In 1898 the number had increased to 1,491. Similarly, 300 High School pupils left the High School for agricultural pursuits, and in 1898, 1,050 pupils pursued a similar course. In all, the High Schools gave to mercantile life and to agriculture in 1898, 2,541 pupils of well recognized educational standing, and to the Universities and learned professions the same year, 1,336. The whole number who left the High School for mercantile life since 1872 was 24,094, and for agriculture, 18,920.

*Occupations of Parents of High School Pupils.*

Agricultural . . . . .	8,714
Commercial . . . . .	6,334
Mechanical . . . . .	5,866
Professional . . . . .	2,387



## V.—DEPARTMENTAL EXAMINATIONS.

## ENTRANCE EXAMINATIONS, 1877-1899.

Year.	No. of candidates examined.	No. of candidates who passed.
1877.....	7,383	3,836
1882.....	9,607	4,371
1887.....	16,248	9,364
1892.....	16,409	8,427
1897.....	16,384	10,502
1898.....	16,361	9,611
1899.....	16,309	10,604

## PUBLIC SCHOOL LEAVING EXAMINATIONS, 1892-99.

Year.	No. of candidates examined.	No. of candidates who passed.
1892.....	432	195
1893.....	539	268
1894.....	2,021	690
1895.....	2,630	1,395
1896.....	3,239	1,826
1897.....	4,578	2,242
1898.....	5,280	1,980
1899.....	4,368	2,825

Departmental and Matriculation Examinations.

Year of examination.	No. of successful candidates.															No. of candidates examined.	
	Form II.					Form III.			Form IV.			Commercial diplomas.		No. of appeals.	No. of appeals sustained.		
	No. who received Form II., Part I., or Junior Matriculation, Part I., certificates.	No. who received Junior Matriculation, Part I., certificates.	No. who received Form II., Part I, certificates (without physics).	No. who received Form II., Part I, certificates (with-out physics).	Passed in physics.	No. who received Form III., Part II, certificates.	No. who received Form III., Matriculation, Part II, certificates.	Passed in certain subjects to complete Matriculation standing.	No. who received Form IV., certificates.	No. who received Form IV., Part I, certificates.	No. who received Form IV., Part II, certificates.	No. who received commercial diplomas.	No. who received Part I, certificates.			No. who received Part II, certificates.	
1899.....	2,773	689	216	17	42	740	604	33	118	147	219	89	5	28	12	410	82

*Table showing the number of Teachers-in-Training at County Model Schools, Normal College, Provincial Normal Schools, etc.*

Year.	County Model Schools.			Normal College.			Normal and Model Schools, etc.					
	No. of schools.	No. of teachers-in-training.	No. that passed final examination.	No. of teachers.	No. of students.	Receipts from fees of Normal College.	No. of Normal School teachers.	No. of Normal School students.	No. of Model Schools and Kindergarten teachers.	No. of Model Schools and Kindergarten pupils.	Receipts from fees of Normal Schools, Model Schools, and Kindergarten pupils.	Expenditure, Normal and Model Schools.
						% c.					% c.	% c.
1877....	50	1,146	1,124	.....	.....	.....	13	257	8	643	7,909 22	25,780 88
1882....	46	882	837	.....	.....	.....	16	260	15	799	13,783 50	44,888 02
1887....	55	1,491	1,376	.....	.....	.....	13	441	18	763	16,427 00	40,188 66
1892....	59	1,283	1,225	10	96	1,630 00	12	428	22	842	19,016 00	45,724 12
1897....	60	1,645	1,384	12	180	4,374 00	13	447	23	832	18,797 59	46,390 91
1898....	60	1,288	1,166	12	176	2,600 00	10	458	24	858	20,587 41	46,949 63
1899....	61	1,271	1,158	12	148	1,845 00	10	478	25	863	19,903 30	46,835 03

*Examination Papers issued, 1899.*

The number of examination papers issued by the Department in 1899 was :

High School Entrance. ....	277,000	Third Class (County Model Schools) .....	18,000
Form I .....	34,500	Second Class (Provincial Normal Schools) .....	11,200
Form II .....	34 000	Commercial Specialists.....	5,600
Form III. ....	85,000	Commercial Diplomas.....	3,200
Form IV. ....	60,000		
Public School Leaving .....	146,500		
Normal College .....	12,800		
Art Schools .....	10,700	Total .....	706,500
Kindergartens .....	8,000		

VI.—TEACHERS' INSTITUTES.

This table presents the work of Teachers' Institutes for twenty one years :

Year.	Receipts.						Expenditure.		
	No. of Teachers' Institutes.	No. of members.	Total No. of teachers in province.	Amount received from Government grants.	Amount received from municipal grants.	Amount received from members fees.	Total amount received.	Amount paid for libraries	Total amount paid.
				% c.		% c.	% c.	% c.	% c.
1877.....	42	1,181	6,468	1,412 50	100 00	299 75	2,769 44	.....	1,127 63
1882.....	62	4,395	6,857	2,900 00	300 00	1,088 84	9,394 28	453 02	5,355 33
1887.....	66	6,781	7,594	1,800 00	1,879 45	730 66	10,405 95	1,234 08	4,975 50
1892.....	69	8,142	8,480	1,950 00	2,105 00	875 76	12,043 54	1,472 41	6,127 46
1897.....	73	7,627	9,128	2,425 00	2,017 45	901 15	12,446 20	1,479 88	6,598 84
1898.....	75	8,238	9,209	2,650 00	1,857 50	876 25	12,629 49	1,526 84	6,730 60



## VII. TECHNICAL EDUCATION,—PUBLIC AND FREE ART SCHOOLS AND LITERARY AND SCIENTIFIC INSTITUTIONS.

The Act and regulations respecting Public Libraries and Art Schools, was revised and amended in 1899. The principal changes are :

1. The official year for Public Libraries, which formerly commenced on the 1st of May, and ended on the 30th of April, in each year, will in future commence on the 1st of January and end on the 31st of December in each year. The annual reports from Public Libraries for 1899 will show only eight months' work, viz., from the 1st of May, 1899, to the 31st of December, 1899, but the Government grant will be paid for books the same as if the libraries had been in operation twelve months.

2. The date for holding annual meetings for electing boards of management for Public Libraries established under the Act respecting Mechanics' Institutes and Art Schools, which are maintained by members and other sources, is changed to the first Monday in January in each year ; but when such libraries are taken over by municipalities and made free, the first appointments of members to the board of management are made at the first meeting of the appointing council or board, the annual appointments thereafter are made at the first meeting of the appointing council, or board, after the first day of January in each year.

The following abstracts from the report of the superintendent of this branch of the Education Department shows a marked success and great progress in Public Libraries, Art Schools and Scientific Institutions.

### I. PUBLIC LIBRARIES.

#### 1. ABSTRACT SHOWING NUMBER OF PUBLIC LIBRARIES IN EACH COUNTY AND DISTRICT.

Name.	No.	Name.	No.	Name.	No.	Name.	No.	Name.	No.
Addington .....	6	Frontenac .....	3	Lambton .....	12	Northumberland .....	9	Renfrew .....	9
Algoma .....	11	Glengarry .....	3	Lanark .....	8	Ontario .....	12	Russell .....	2
Brant .....	6	Grenville .....	9	Leeds .....	4	Oxford .....	12	Stormont .....	1
Bruce .....	22	Grey .....	17	Lennox .....	1	Parry Sound .....	6	Simcoe .....	15
Carleton .....	8	Haliburton .....	1	Lincoln .....	6	Peel .....	13	Victoria .....	12
Dufferin .....	10	Haldimand .....	10	Manitoulin Isl'nd .....	2	Perth .....	9	Waterloo .....	13
Dundas .....	7	Halton .....	5	Middlesex .....	12	Peterborough .....	3	Welland .....	9
Durham .....	4	Hastings .....	4	Muskoka .....	5	Prescott .....	1	Wellington .....	18
Elgin .....	11	Huron .....	15	Nipissing .....	4	Prince Edward .....	2	Wentworth .....	6
Essex .....	7	Kent .....	13	Norfolk .....	4	Rainy River .....	3	York .....	21

The following Abstract 2 shows the progress of Public Libraries at intervals of five years since 1883 when only 93 libraries reported having 13,672 members, who borrowed 251,890 books ; we now have (for the year ending 30th April, 1899) 364 libraries reporting with 121,397 members and readers who borrowed 2,547,131 volumes.

In addition there are 42 libraries which did not report, or were incorporated after the first of May, 1899.

Free Libraries are rapidly increasing and are greatly appreciated. In 1883 only one Free Library had been established, but now the Superintendent's report shows that there are 120 Free Libraries, and that several others have been established since the 30th of April, 1899.

2. ABSTRACT SHOWING THE PROGRESS OF PUBLIC LIBRARIES FROM 1883 TO 1899

Year.	Institutes reporting.	Number of members.	Number of evening classes.	Number of pupils.	Number of reading rooms.	Number of newspapers and periodicals.	Number of volumes in libraries.	Number of volumes issued.	Total receipts.	Total assets.
1883.....	93	13,672	28	1,753	59	1,540	154,093	251,920	\$ 59,716 00	\$ 225,190 00
1888.....	167	32,016	41	1,102	104	3,041	311,348	744,466	103,843 68	403,573 75
1893.....	255	84,088	41	1,117	156	4,745	510,326	1,415,867	160,556 26	685,412 17
1898.....	347	111,208	2	79	200	5,834	789,082	2,358,140	188,783 21	870,167 54
1899.....	364	121,397	2	35	200	5,839	862,047	2,547,131	193,421 20	935,975 81

II.—ART SCHOOLS, ETC.

The following Abstract 3. shows the number of certificates and medals awarded to Art Schools, Ladies' Colleges, etc., for drawing, painting, etc., at intervals of five years since 1883 :

3.—ABSTRACT SHOWING THE NUMBER OF CERTIFICATES AWARDED FOR DRAWING, PAINTING, ETC., TO ART SCHOOLS, LADIES' COLLEGES, ETC.

Year.	Number of Art Schools, etc.	Primary Art Course.		Advanced Course.		Mechanical Course.		Industrial Art Course.	Extra sub-jects.	Departmental medals, etc.			
		Proficiency certi-cates.	Full teachers' cer-tificates.	Proficiency certi-ficates.	Full teachers' cer-tificates.	Proficiency certi-ficates.	Full teachers' cer-tificates.	Proficiency certi-ficates.	Painting, model-ling, wood-carv-ing, etc.	Gold medals.	Silver medals.	Bronze medals.	Special certificates.
1883.....	1	124	.....	31	.....	1	.....	.....	.....	.....	.....	.....	.....
1888.....	57	2,979	133	151	9	50	2	24	108	1	1	4	1
1893.....	85	4,753	220	301	13	139	10	11	165	1	16	11	21
1898.....	55	3,166	149	540	18	42	.....	30	171	1	2	11	14
1899.....	62	3,993	160	499	22	75	.....	42	154	1	3	10	14

Art School Exhibitions.—Two exhibitions of students' work were held during the year.

1. An exhibition of industrial designs, architectural plans and designs, machine drawings, lithography, modelling in clay, painting on china, pen and ink sketches, wood carving, drawing for photogravure, etc., was held for a week, commencing on the 6th of June, at the Board of Trade Buildings, when representatives of the Boards of Trade throughout the Dominion met together to discuss the importance of providing Technical Education for the people.

2. An exhibition of the general work in drawing, painting, modelling, etc., sent to the Department for competition for certificates and medals from Art Schools, Ladies Colleges, etc., was held for a fortnight in connection with the Women's Historical Exhibition at Victoria University, commencing on the 14th of June.

Ontario Society of Artists.—This Society receives an annual grant of \$500.00 from the Legislature on condition that it holds an annual exhibition, and gives two pictures to

the value of \$200.00 to the Museum of the Education Department. In addition the sum of \$800.00 is annually expended by the Department in the purchase of pictures from members of the Society on condition that the Society annually loans sufficient new pictures to fill one of the new picture galleries in the Education Museum.

The following pictures selected from the exhibitions of the Ontario Society of Artists up to December 1899, are now the property of the Education Department, viz,—Atkinson, "Evening"; Bell-Smith, "Westminster Bridge," "Island Park"; Blatchly, "A Quiet Pool," "Spring on the Hill"; Challenger, "Milk Maid"; Cutts, "Coast of Dorset"; Coleman, "Farm, St. Lawrence River"; Gagen, "When the Tide is Low," "Fine Weather"; Knowles, "Notre Dame," "Pool of London"; Manly, "Dartmoor," "Stour at Canterbury"; Martin, T. M., "Road through the Beeches"; Matthews, "Tops of Mount Stephen"; Reid, Mrs. "Roses"; Rolph, "Humber River"; Sherwood, "Gold Prospector"; Spurr, "Surrey Heath"; Tully, "Jeanne."

### III.—LITERARY AND SCIENTIFIC INSTITUTIONS.

The following Institutions receive Legislative Grants, 1. Hamilton Literary and Scientific Institution; 2. Kingston School of Mining; 3. Ontario, Historical Society; 4. Ottawa French Canadian Institute; 5. Ottawa Literary and Scientific Society; 6. Ottawa St. Patrick's Literary and Scientific Association; 7. Ottawa Field Naturalist Club; 8. Toronto Canadian Institute; 9. Toronto Astronomical and Physical Society.

All of these Institutions give popular lectures on literature or science; some of them publish their transactions and others have museums, all of which are greatly appreciated by the public and assist in developing a taste for Literature, Science and Art.

### GENERAL REMARKS.

#### I. LONDON NORMAL SCHOOL.

The opening of a third Provincial Normal School will form an important event in the educational history of Ontario for 1900. The Toronto Normal School was opened on the 1st day of November, 1847, with an attendance of twenty students which increased during the session to sixty students. The jubilee of its opening was celebrated in 1897. The success of the institution had become so apparent, and the value of professional training for teachers so well recognized, that a demand was made for additional Normal Schools, and accordingly the Ottawa Normal School was formally opened on the 15th of September, 1875. For a number of years it has been found impossible to accommodate, in the two Normal Schools, the large number of candidates who have desired to obtain Second Class Provincial Certificates. Indeed, the applicants have become so numerous within the last three or four years, that very frequently four or five hundred have been refused admission. The selection of London for the new Normal School was warranted, in view of the size of the city, its good educational facilities, and its central location in an important section of the western part of the Province. Following the practice adopted in several other countries, the Public Schools of the city, by an arrangement with the Board of Education, will be utilized for Model School purposes. There are many arguments in favor of an arrangement such as has been made with the London School Board, but the strongest plea in its favor is the satisfactory way in which a plan of this kind has been carried out in connection with many Normal Schools in the Eastern and Western States, as well as in the State of New York. The selection of one of the most successful High School Principals as Principal of the new Normal School, and the appointment of one of the most efficient Public School Inspectors as Vice-Principal, will afford every guarantee that the purposes of the students in their important professional courses will be carefully kept in view. It may be safely assumed that no more important duty devolves upon the Education Department than the adoption of such provisions as will secure a class of well qualified teachers for our Public Schools.



It is to be hoped that the establishment of a third Normal School will be followed by the appointment of a larger number of Second Class teachers in our Public Schools than heretofore. It is unfortunate that Boards of Trustees do not yet fully realize the advantage of having in our schools teachers of high qualifications. Too often there is a disposition in some places to secure the so-called cheap teacher, regardless of the important interests involved. Teachers of character and ability cannot be expected to remain in the profession unless their services are better remunerated. Young men and young women of energy cannot be blamed should they withdraw from a profession in which they find high scholarship and valuable experience are not properly appreciated. It may be doubted if a higher standard is exacted in other countries for teachers' certificates. In Ontario the standard has been very much advanced from what it was a dozen years ago. With the abolition of the Primary examination, a student who desires to become a teacher will ordinarily attend a High School three years, and with a year's professional training subsequently exacted, it will be readily conceded that the expense involved in entering the profession is considerable. Many Public School teachers are to be commended for giving such attention to study as to enable them eventually to become Principals of large Public Schools or teachers in our High Schools and Collegiate Institutes. It is a fact, however, that generally the teacher in a High School has had to spend four years attending a University, and with another year's attention to professional work, the remuneration is far from being such as might be expected from the outlay incurred. As will be readily recognized from the Regulations, special value is attached to experience, without which neither scholarship nor professional training will secure the highest grades of certificates. It would be impossible, in a free country like Canada, to fix a minimum salary. Any attempt to legislate for this purpose would be to run counter to well recognized principles of economic laws. All that can be done by legislation is to lay down the highest feasible standard of qualification, and to hope that public opinion will, ere long, recognize that the best policy for trustees, as well as for the country, is to select from among the candidates presenting themselves for positions, those teachers who, by scholarship, experience and character will exercise the best influence upon the youth committed to their charge.

## II. COURSES OF STUDY.

It is of the first importance that the training given in our High and Public Schools should be as practical as possible, and that the subjects taken up in the Public Schools and also in the lower Forms of the High Schools should have in view the pursuits that will necessarily be followed by the great majority of our citizens. The fact should not, however, be overlooked, that the value of the training given in our schools does not depend so much upon the knowledge gained as the habits which the pupils form. If, in all matters that pertain to character building, the work of the schools is of the proper kind, the subjects to be taken up are of secondary importance. If the influence of the teacher makes the pupil intelligent, industrious and law-abiding, the amount of Grammar, Arithmetic, Algebra, etc., acquired will not be a matter of prime importance. After all, only the beginning of an education can be gained at best in our schools, and if pupils go forth to the active duties of life with correct principles of conduct inculcated, it may be assumed they will become valuable members of society. More and more the leading educationists of the world are attaching greater value to training, and greater freedom is being noticed in connection with the adoption of programmes of study.

It is a fact, however, that only a small proportion of the pupils attending the Public Schools ever enter a High School, and that of those who attend our secondary schools only a fraction will ever be enrolled in our Universities. Under these circumstances, it must be admitted that the requirements of the masses of children must control in determining the courses of study to be taken up. No course of study for our Public Schools can be commended that overlooks the needs of the farming community. For many years Agriculture was an optional branch for the elementary schools. For the first time the subject is made compulsory for rural schools. Every pupil in the Fifth Form, and even in the Fourth Form of these Schools, is now required to give attention to Agriculture. Valuable results may be predicted if the subject is taken up carefully by our Public School teachers. It is well known that the study of Agriculture really embraces the study of

certain departments of elementary Science, and that the knowledge to be gained is not valuable to agriculturalists alone, but should be valuable to every young person in the Province. In this connection it is to be hoped that "Nature Study," as work of this kind is often called, will hereafter receive greater prominence in all our elementary schools. Some of our Public School Inspectors are giving special encouragement to studies of this kind, and the pupils in our rural schools are having their attention more frequently directed to the beauties of nature and the intellectual gain resulting from an examination of the elementary features of Botany, Geology, Zoology, Chemistry, etc.

The course of study for High Schools, judging from the opinions I receive from teachers and others, is now fairly satisfactory. Students who purpose attending a University have every reasonable inducement given them to take up, at an early stage, Latin and the other subjects that may be prescribed for matriculation. Again, the excellence of the present arrangement is quite significant. Pupils of the lower forms, who may not intend to become teachers or to enter the professions, will not be subject to any undue pressure in order to take up work which may not be the most valuable to them, should their probable destination in life be that of the mechanic, the merchant or the farmer. Doubtless many will seek guidance from the Principal of the school, but one main advantage of the present curriculum is that of having the interests of the great body of students paramount. It should always be felt that the course in life which pupils are to follow can never be safely predicted. Many ambitious students, or children of ambitious parents, may look forward to the advantages of University courses, but experience shows that many who begin with aims of this kind are, for various reasons, doomed to disappointment. It is safe to say that even among our High School pupils the great majority will follow the ordinary callings in life, and therefore it is wise to have a course of study laid down of such a character as will guard against numerous mistakes.

### III. CONTINUATION CLASSES.

By the amendment made in 1899 to the Public Schools Act, the course of study for Continuation Classes has been more clearly defined. It is well known that in many towns and villages of the Province, no High Schools have been established, and the formation of classes doing higher work than that of the Public School course has become a necessity. The studies to be taken up in Continuation Classes are substantially those of the lower forms of the High Schools. The object and aims of the pupils in those localities are identical with the purposes of students in towns and villages where High Schools have been established. A different course of study from that followed in the High School could not be thought of and the provisions by which work of this character may be taken up, with the concurrence of the trustees and the Public School Inspector, will satisfactorily meet existing conditions. The law now obliges the County Council to make a grant for Continuation Classes equivalent to that given by the Government. As a consequence, it may be expected that the efficiency, already recognized, of many Public Schools doing Continuation work in towns and villages will be more marked in the future.

It would be impossible, and indeed an injustice, to debar the trustees of rural schools from having work taken up beyond the High School Entrance examination. It is well known that many rural schools are attended by pupils whose attainments are beyond the Fourth Form, but who, on account of age or the circumstances of their parents, are unable to attend the nearest village High School. To do away with Fifth Form work in rural schools would not only be unjust, but even cruel. The Regulations regarding Continuation Classes have given an impetus to Fifth Form work in nearly all our rural schools. There is a desire on the part of pupils, teachers and trustees to have Fifth Book Classes. Doubtless it would be to the advantage of most pupils to attend a High School as soon as they can conveniently do so. For the reasons given this would, in many cases, be impossible, and upon the whole the existence of Fifth Form Classes in our rural schools will be in the interests of education, and will ultimately secure for the High Schools a larger number of deserving pupils. It would be the greatest folly to suppose that the country can have too many pupils attending our High Schools, or that too many young people are striving to obtain a good education. The idea of "over-education" is



too absurd to be seriously discussed. A greater number of educated farmers, mechanics, merchants, etc. is required by our Province. Failures in the community are not due to an excess, but to a lack of education. If the mechanic or the farmer becomes on the average more intelligent, a corresponding increase of dignity will be attached to the calling which he follows.

#### IV. ADVANTAGES OF HIGH SCHOOLS.

The popularity of our High Schools and Collegiate Institutes is well evinced by the liberal support given them by Municipal Councils. The impression that High School education is mainly for the benefit of the wealthy classes is held by very few of our citizens. The influence of secondary schools in promoting the excellence of elementary schools is seen in the increased ambition of pupils, who as a result not only stay longer in the Public Schools, but who do better work in consequence of the goal placed before them. The energies of Public School teachers are quickened on account of the demand made upon them by the High Schools. In this connection it might be well to quote the recent views of some prominent educationists:—

“One well recognized fact is this, that the High School exerts a powerful stimulus for good upon the schools below. It holds up before the young, ideals of higher and broader scholarship. It is the gateway to the otherwise inaccessible realms beyond ; it appeals to the ambition of the young ; it appeals to this ambition at a critical time, when it is important that inferior ambitions shall be forestalled ; it is a golden strand in that interest which holds the young up to a scholarly endeavor. It fits in with the thought that noble inspiration comes from above, not from below, that normal children respond better, not when they are pushed from beneath, but when they are drawn from on high. The longing for higher things thus aroused, children do better work in the lower schools ; they are more readily guided ; they hold to a definite course more steadily. Indeed, it is as true of the mind as of any ship that sails the seas, that it must have momentum to obey its helm. If this ambition to attend the High School, is in some measure, imitative,—a mere spirit to do as others do,—it is, in a larger measure, a spirit to study for study's sake, or for the rewards that study brings. It is not surprising, therefore, that school committees with scarcely an exception, should bear witness to the bracing influence of a good High School upon the grades below, experience thus confirming what theory would lead one to expect.”—*Hon. Frank A. Hill, Secretary, Massachusetts Board of Education.*

“While it is true, as I have tried to show, that a system of education is like a pyramid, which, all the way down, should take its shape and its proportions from the corner stone at the apex, it must be admitted, nevertheless, that it is a piece of folly to try to stand a pyramid on its point. I have very great sympathy with those who emphasize the cause of the elementary schools. It is a shameful thing in a free community when the facilities for elementary education are not entirely adequate for the public needs. It is certainly true that the great masses of the children of the commonwealth leave school at the age of fourteen or earlier, and that these children must get their opportunities for education within that interval, or they will go into the world ignorant. It is also true that the system of education which is inadequate at the bottom, will reflect its insecurity all the way to the top. But this does not mean that at any higher point the pyramid is too large ; it means decisively and only that the foundation is too small. The remedy is not to be found by diminishing the contributions of the State for secondary and higher education ; it is distinctly to be found in enlarging the contributions for the lower.”—*Hon. Seth Low, President, Columbia University.*

Free elementary schools have, since 1871, been guaranteed to Ontario. The question of free High Schools is left to be determined by the authorities of each municipality. Discussions have frequently arisen in many parts of the Province regarding the principle of free secondary education. The fees of county pupils attending High Schools cannot exceed \$10 per annum. In many counties, commendable liberality has been shown in having county pupils admitted free or by the payment of a less amount than the minimum fee. The rule observed regarding resident pupils varies. In 51 High Schools and Collegiate Institutes, no fees are charged resident pupils. In the other



institutions, fees vary from \$1 to \$32 per annum. It would be a misfortune I think, should the doors of our High Schools and Collegiate Institutes be closed to the children of parents in the humbler walks of life. The imposition of restrictions of this kind seems foreign to the genius of a democratic people. Occasionally the great Public Schools of England are referred to as the best models for Ontario to follow. It would be a mistake, I think, to suppose that the kind of institutions suitable to European conditions would answer for this continent. Our High Schools and Collegiate Institutes are not, I believe, behind any of the English institutions in the character of the training given by the teachers to whose management they are entrusted. The Province battled too strongly years ago, in favor of free education for our Public Schools, to overlook its good results. It would be a misfortune should our citizens restrict the benefits of education to those who have not reached the status of High School pupils. The resources of our country are great, but to develop these resources we must take care that children who have ability, but not wealth, shall be afforded every opportunity of contributing their share to the building up of our common nationality.

Our neighbors to the south of us have not overlooked the benefits to be derived from free High Schools. In nearly all the States of the American Union, the most Liberal provision has been made by which every boy and girl may have a High School training without the imposition of fees. Those States of the American Union which are most progressive have evidently favored free High Schools. In Massachusetts, pupils attending the High Schools are prepared for admission to any of the Universities, to the Normal Schools, or to the various professions, without any fees being imposed. So well does the State recognize the advantages of free High Schools that every city and town is compelled by law to provide free High School education. If a municipality does not make the necessary provision, children may attend some High School in another town or city, and the cost must be met by the municipality in which they reside. Would it not be well for our municipalities to consider if greater liberality in High School education would not be advantageous to the great body of ratepayers? Of course, the question of "over-education" may be raised. Is it not time, however, that objections of this kind should find no favor with intelligent people? There may be differences of opinion regarding the curriculum of our High Schools, but surely no one will contend that there is a surplus of intelligence, or that too many of our people have an excess of that intelligence which it is believed secondary schools promote. To confine the benefits of our High Schools to the children of parents who are in a position to pay high fees will necessarily restrict the number of well-trained mechanics, merchants, and farmers.

#### V. MANUAL TRAINING.

Manual Training is now an optional subject of the High School and Public School courses of study, and much attention has been given in Canada within the last year to this modern department of educational work. The progress of science, in this latter part of the nineteenth century, has revolutionized all our industries, and it is safe to predict that in the approaching century many changes may be expected regarding the relative values of different branches of study. The curriculum of fifty years ago will not do to day, and unless the Province realizes the important changes in the world's progress, it would be unreasonable to expect the laudable position, which our schools have held in the past, to be retained. In the United States, as well as in England and Germany, technical training has come to the front as an educational topic of discussion. In those countries, manual training has become a well recognized department of elementary and secondary education. It will not suffice to limit the benefits of technical education to those who are enrolled in universities or even in attendance at High Schools. A limitation of this character would be unreasonable, in view of the fact that such a very small percentage of persons ever attend the higher seats of learning. Technical education must, in its more elementary forms such as manual training, be taken up in the Public Schools, if we are to have well trained mechanics, farmers and merchants.

Education, to be effective, must not be one-sided. The intelligent use of the brain is no more needed than the intelligent exercise of the physical activities. Skilful hand-

work is really mind work in a high degree. The hand should be made to become the servant of the mind. Instruction in elementary science, free-hand and geometrical drawing, modelling in clay, etc., may be made to incite a love for that self-activity which it is the duty of the teacher to cultivate. Instruction in manual training will cultivate the perceptive faculties; will create love for manual skill, dexterity, and taste for design; it will induce young persons to observe for themselves, to acquire knowledge at first hand, and to make them more self-reliant. The fact should not be over-looked that by far the larger number of men in every civilized community are workers, and therefore a skilled hand becomes as important as a well-filled head. It is unfortunately true that in many departments of industry at the present day, there are too few skilled artisans to put into form the ideas of the designers. The unrest sometimes found among working classes arises from a lack of that skilful training which would enable them to make good use of their opportunities. To furnish that training which enables boys and girls to earn an honest living should be an important aim of every school. It is often said that the brightest boys come from the country. If the statement is analyzed, it will be found that the main advantage which the country boy has over the one from the city is that he has had the advantage of manual training, which is too often entirely denied to the one from the city.

The advance of applied science, with the resulting subdivision of labor so marked at the present day, has rendered instruction in technical education essential, in view of the changed economic conditions. Years ago the mechanic was usually proficient in the various departments of his work. His training enabled him to make a complete article, and he did not confine his attention to few processes. The work of the shoemaker, the blacksmith, the carpenter, etc., is very different from what it was half a century ago. The country must adapt itself to the new requirements. This feature of the matter is put very clearly in a paper advocating certain reforms in the organization of technical education, by Professor Silvanus P. Thompson, who says:—

“Another most important reform is that of so utilizing the facilities for instruction as to develop breadth of view and capacity in those who are trained. This is all the more vital to the future of this branch of education because of the extreme and in many cases disastrous degree to which the subdivision of labor has been pushed in many of the handicraft trades. Formerly the apprentice learned a whole trade. He journeyed about to pick up the outlying branches and widen his experience before he could become a master. Nowadays the apprentice commonly learns under a master who practises but a part of a trade, and he himself is taught only one portion of that part. In the cabinet-making industry and in many of the metal industries, the result is deplorable. Men grow up capable of doing but one thing, and are dependent upon a wholly different set of men; or upon several different sets, to finish what they have begun or to begin the work that they receive from a subsequent stage in the process. The all-round competent hand grows rarer, and trade suffers and workmen suffer at every change of fashion. If judiciously directed, technical education may do much to alleviate this sad effect of the capitalistic tendencies of the past. It ought to be the incessant aim of the organizers of technical schools and classes to broaden the basis of the instruction and to fight against the narrowing tendencies abroad. But this must not be done without discrimination, otherwise it ends in absurdities.”

In the same connection, the words of Sir Philip Magnus are very appropriate. He remarks:—

“The teaching of the theory of any particular trade will be more satisfactory and will be attended with less difficulty when the young apprentice leaves the elementary school with some knowledge of experimental method and some skill in applying it. The way might be much better prepared than it is for technical teaching. The School Board of London has been doing excellent work in its science demonstrations, which will facilitate technical teaching in the future. Other schools boards are, I believe, doing likewise. But the consideration of this subject would take me too far from the immediate subject of my paper. I want to show only as regards the theory that enters into trade teaching that for the purposes of technical instruction in trade subjects the principles of science must be taught in their special application to the trade, and must be illustrated by examples with which the young apprentice is familiar, and by experiments which he



would be likely to need in his ordinary work. You will see, therefore, that the teaching of the theory of any trade must be made to illustrate the practice, just as the teaching of the practice must be made to illustrate the theory. For such teaching a sufficient supply of apparatus and appliances is a first requisite, but the machinery and tools employed in a technical school are used with different objects and with a different intention from those of the factory or commercial workshop."

Another distinguished English writer also states :—

"The necessity for the general adoption of some system of technical education has become more and more evident as the ancient system of apprenticeship has gradually died out. This ancient system of apprenticeship was one admirably adapted to the conditions of life, and to the requirements of the time. The apprentice lived with his master, learned the manual portion of his trade in the shop, and received from his master such instruction as he could or was disposed to give in the arts and mysteries (*i.e.*, science) of the particular industry. The instruction was oral, nothing was committed to paper, and the secrets of the trade were handed down from generation to generation. This system tended to limit the number of entrants into any one trade, and thereby to prevent the overcrowding of any particular labor market. On the other hand development was hampered by the system; the methods of one establishment did not become known to another; the apprentice had to assume a very humble and often menial position; his life was frequently very hard, the feeding often inadequate, and the flogging none too rare. Nevertheless, a highly skilled master had at all times many candidates for apprenticeship from whom he, as a matter of course, selected the most promising. Taking all the circumstances into consideration, it is scarcely to be wondered at that the system produced a greater proportion of first-class workmen than exists at the present time. One weak point consisted in the comparative narrowness of the education received, consequent upon the fact that the apprentice had no source of information other than his master or his master's shop."

It should not be thought that the advocacy of technical education is confined to those who have no acquaintance with the advantages of High School or University education. No better authority on this point can be found than Sir Joshua Fitch, whose judgment in pedagogical and other educational questions gives him a front rank. The distinguished ex-inspector of English Schools puts the case as follows :—

"We have all agreed that our schools have been for centuries too much absorbed in book work, in verbal studies which sought to train memory and reasoning only, but which failed altogether to give adequate discipline for the eye and the hand, or to fit the scholar for skilled labor and for practical life. Parliament and public opinion have concurred in desiring to correct and supply this grave defect; and the technical instruction act and the local taxation (customs and excise) act are the national expression of a determination to do so. And these measures have already, as we all know, borne abundant fruit. No one can read, for example, the admirable and comprehensive report just presented to the London County Council by its technical education board without seeing how completely the higher trades and the whole work of the skilled artisan in London will be transformed ere long by the well-devised efforts of that board to give a more scientific character to the instruction of apprentices and workmen, so as to improve the quality of the work done by them."

The same distinguished educationist shows the futility of having technical education taken up by pupils who have not received the fundamentals of a good elementary education. His words are as follows :—

"You will anticipate the inference, which from my own point of view, as an old inspector of schools and training colleges, I am inclined to deduce from these considerations. I entirely admit that our school instruction has long been too bookish, too little practical, and that the friends of technical instruction are fully justified in calling attention to the grave deficiencies in our system, especially to the want of sounder teaching in physical science, and of better training in the application of those sciences, to the enrichment of the community, and to the practical business of life. And we are all agreed, too, in the belief that apart from the industrial and economic results of better manual instruction, there may be in such instruction a high educational purpose, that it may tell on character, awaken dormant faculty, teach the better use of the senses, and



increase the power of the human instrument over matter and over the difficulties of life. Only do not let us exaggerate the educational value of manual instruction, or suppose that all our difficulties are to be solved by turning our schools into workshops. Without co-ordinate intellectual training and development, manual training will only accomplish a part, and not the highest part of the work which lies before the teachers of the future. Let us recognize its necessary limitations. And we can do this in at least two ways:—First, by aiming at a higher standard of general intellectual culture in the schools from which technical schools are recruited, and thus securing a more solid groundwork for our special instruction. And the second expedient is to urge, whenever possible, upon each of the young people in our trade and evening classes, to take up one subject at least—it may be history or mathematics, or philosophy, or a foreign language—which has no direct or visible relation to his trade or to the means whereby he hopes to get a living, but is simply chosen because he likes it, because his own character is enriched and strengthened by it, because it helps to give him a wider outlook upon the world of nature, of books and of men, and because he thus may prepare himself better for the duties of a citizen and a parent, as well as for an honored place in the ranks of industry."

#### VI. EMPIRE DAY.

Canada is fast making history for itself. Already the youth of our country realize the grandeur of their relations as citizens of the British Empire. On the 23rd of May last, the day before the commemoration of Her Majesty's birthday, the schools of this Province, as well as of the other Provinces of the Dominion, celebrated what will hereafter mark a step in the advancement of that unity of the Empire, to which so much attention has been given of late years. It may be expected that the celebration of Empire Day will in future be characterized by the same objects as marked the event in 1899. The day is not a holiday in the ordinary sense of the term, but it may be presumed that hereafter its annual recurrence will be devoted to exercises of a patriotic character, like those of last year. Inspectors in all parts of the Province, as well as Principals of schools, deserve no small credit for the excellent manner in which the event was inaugurated. In most of the schools, part of the forenoon was taken up by the teachers with references to the history of the British Empire, and the admirable heritage which we, as subjects of Her Majesty, enjoy. In the afternoon, trustees, members of Municipal Councils, members of Parliament, clergymen and other prominent citizens, gave addresses to the children assembled in the schools or in halls, to which the public was generally invited. It must be evident that exercises of this character cannot fail to impress the children attending our schools with the great blessings possessed by those who have reaped the advantage of centuries of progress towards the highest type of constitutional government.

It is satisfactory to know that in no instance does there appear to have been any disposition to cultivate what is termed the "jingo spirit" among the pupils attending our Public Schools. In the addresses given in many places attention was directed to those ideals of liberty which have guided our statesmen, to the advance of education, the growth of tolerance, the progress of self-government, and the improvement in the moral atmosphere among Anglo-Saxon communities. Attention was doubtless called, and properly so, to the magnificent resources of our country, to the literature and art left us by our British ancestry, and to the distinguished men and women who have given their talents, their means, and even their lives, for the promotion of Christian civilization. The opportunity appears to have been well employed for filling the minds of the pupils with the highest kind of patriotism—a patriotism inspired by a higher conception of civic duty, improved devotion to the public interests, willingness to offer personal service in behalf of one another, and a disposition to give assistance for the promotion of social improvement.

The events which have lately been transpiring in another part of the Empire have brought to the attention of all our citizens the common interest felt by all who live under the British flag. There need be little fear, I think, of any tendency on the part of the people of this Province to become fond of war or anxious to depart from those principles

of government which have had influence for so many years in the preservation of peace. Indeed, the celebration of Empire Day may, if observed in the future as it was in 1899, do much to teach the children of our Public Schools that however glorious has been the history of the British Empire in the past, its greatest glory is due to the desire of its statesmen to extend the principles of good government to every country brought under the dominance of British authority. The pupils of our Public Schools have been taught to know that wherever the British flag floats, order is established, equal rights prevail, education is fostered, liberty is upheld, and general progress ensues. They have been told that the trade, commerce, and industry, for which Britain is noted, combine in making the preservation of peace one of the chief objects of the Empire. If the attention of young Canadians should always be directed to such characteristics of the British nation we may reasonably hope the chances of preserving peace will be increased and the inculcation of true patriotism will be a controlling feature of school work.

#### VII. CONCLUSION.

The foregoing summary, which is compiled from statistical returns filed in the office of the Education Department for 1898, deals with matters which pertain to the work of my predecessor, Hon. G. W. Ross, now Premier of the Province, whose connection with the administration of our school system extended from 1883 to 1899, a period of about sixteen years. This period has been one of great progress in school matters, and it is evident that many of the questions, which were constant topics of discussion eight or ten years ago, have been settled. At the same time, it is to be expected that the future will present important educational problems to be solved by those who take an interest in the progress and welfare of our country. For the present, at least, there seems to be no demand for radical changes, either in the courses of study for our High and Public Schools, or for amendments to the Statutes. The course of study for 1900, 1901 and 1902 having been settled, there will be ample opportunity for considering in the interim any proposed changes which it may be thought desirable to bring into effect thereafter.

I have the honor to be

Your Honor's obedient servant,

RICHARD HARCOURT,

Minister of Education,





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# APPENDICES.

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APPENDIX A.

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STATISTICAL TABLES.

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## I.—TABLE A—The

Counties. (Including incorporated villages, but not cities or towns.)	School population.—Pupils						
	School population be- tween 5 and 21 years of age.	Pupils under 5 years of age.	Pupils between 5 and 21 years of age.	Pupils over 21 years of age.	Total number of pupils of all ages attending school.	Boys.	Girls.
1. Brant .....	4,165	9	3,356	.....	3,365	1,195	1,570
2. Bruce .....	15,137	32	12,262	11	12,365	6,544	5,761
3. Carleton .....	8,780	20	6,913	9	6,942	3,651	3,291
4. Dundas .....	5,616	41	4,821	3	4,865	2,490	2,375
5. Dufferin .....	5,387	25	5,076	10	5,111	2,702	2,349
6. Durham .....	5,606	21	5,179	3	5,203	2,716	2,487
7. Elgin .....	8,250	22	6,749	2	6,773	3,544	3,229
8. Essex .....	11,704	29	8,685	3	8,717	4,513	4,204
9. Frontenac .....	6,939	51	6,017	2	6,070	3,194	2,876
10. Glengarry .....	4,823	28	4,216	3	4,247	2,203	2,044
11. Grey .....	16,455	76	14,091	11	14,178	7,482	6,696
12. Haldimand .....	5,967	20	4,752	2	4,774	2,472	2,302
13. Haliburton & N. E. Muskoka	4,493	52	3,840	8	3,900	2,130	1,770
14. Halton .....	5,166	.....	3,808	.....	3,808	1,956	1,852
15. Hastings .....	12,661	32	9,285	4	9,321	4,837	4,484
16. Huron .....	15,314	51	11,884	10	11,945	6,290	5,655
17. Kent .....	10,694	28	9,053	3	9,084	4,807	4,277
18. Lambton .....	12,628	27	10,097	6	10,130	5,333	4,897
19. Lanark .....	6,347	13	4,804	.....	4,817	2,482	2,335
20. Leeds and Grenville .....	11,319	55	9,874	8	9,937	5,126	4,811
21. Lennox and Addington .....	5,718	13	4,970	2	4,925	2,580	2,345
22. Lincoln .....	5,244	15	4,112	2	4,129	2,136	1,993
23. Middlesex .....	12,757	30	10,327	3	10,360	5,441	4,919
24. Norfolk .....	8,818	29	6,494	.....	6,523	3,419	3,104
25. Northumberland .....	8,115	15	6,559	.....	6,574	3,472	3,102
26. Ontario .....	8,617	11	7,826	6	7,843	4,236	3,607
27. Oxford .....	10,283	12	7,595	1	7,608	3,973	3,635
28. Peel .....	6,307	16	4,433	6	4,475	2,388	2,067
29. Perth .....	10,702	18	7,060	.....	7,078	3,832	3,446
30. Peterborough .....	7,505	28	5,537	.....	5,565	2,892	2,673
31. Prescott and Russell .....	8,720	31	5,775	7	5,813	3,020	2,793
32. Prince Edward .....	3,411	32	3,133	5	3,170	1,624	1,546
33. Renfrew .....	11,213	68	7,994	11	8,073	4,062	4,011
34. Simcoe and W. Muskoka .....	17,716	46	15,888	7	15,941	8,488	7,453
35. Stormont .....	5,454	21	4,298	3	4,322	2,254	2,068
36. Victoria & S. E. Muskoka .....	8,233	20	7,145	5	7,170	3,871	3,299
37. Waterloo .....	9,544	5	7,184	.....	7,189	3,807	3,302
38. Welland .....	6,548	34	5,478	.....	5,512	2,843	2,669
39. Wellington .....	13,376	36	8,911	5	8,952	4,823	4,129
40. Wentworth .....	7,147	.....	5,314	2	5,316	2,779	2,537
41. York .....	14,956	45	12,012	3	12,060	6,497	5,563
42. District of Algoma .....	7,212	48	6,247	11	6,306	3,233	3,073
43. District of Nipissing .....	1,882	26	1,749	1	1,776	922	854
44. District of Parry Sound .....	5,687	43	5,103	4	5,150	2,619	2,531
Total .....	382,628	1,274	305,846	182	307,302	161,518	145,784
Cities.							
1. Belleville .....	2,634	.....	1,596	.....	1,596	793	803
2. Brantford .....	2,668	.....	2,665	.....	2,666	1,360	1,306
3. Chatham .....	2,694	.....	1,632	.....	1,632	828	804
4. Guelph .....	3,495	.....	1,803	1	1,804	905	898
5. Hamilton .....	13,554	.....	8,951	1	8,952	4,545	4,407
6. Kingston .....	5,740	.....	2,677	.....	2,677	1,320	1,357
7. London .....	10,055	.....	6,160	.....	6,160	3,190	2,970
8. Ottawa .....	15,918	.....	5,088	.....	5,088	2,705	2,383
9. St. Catharines .....	2,814	.....	1,604	.....	1,604	823	781
10. St. Thomas .....	4,610	.....	2,123	.....	2,123	1,053	1,070
11. Stratford .....	3,060	.....	1,578	.....	1,578	818	760
12. Toronto .....	50,918	2	29,768	1	29,771	15,097	14,674
13. Windsor .....	3,435	.....	2,306	.....	2,306	1,173	1,133
Total .....	121,915	2	67,952	3	67,957	34,611	33,346

\* In report of 1898 the percentage of average attendance was given as 41; it should have been

## Public Schools

attending the Public Schools.

	Attending less than 20 days during the year.	20 to 50 days.	51 to 100 days.	101 to 150 days.	151 to 200 days.	201 days to the whole year.	No. of children 8 to 14 (inc.) who did not attend any school during the year.	No. of children 8 to 14 (inc.) who did not attend any school for 100 days during the year.	Average attendance of pupils.	Percentage of average to total attendance
1	201	453	710	814	1,038	149	3	638	1,838	56
2	936	1,699	2,376	2,739	4,089	466	94	1,927	6,656	54
3	743	1,160	1,599	1,526	1,746	168	19	1,633	3,279	47
4	474	645	900	1,167	1,616	63	20	784	2,554	53
5	589	835	1,256	1,213	1,089	129	8	1,217	2,218	44
6	404	762	1,056	1,294	1,504	183	89	860	2,746	53
7	524	824	1,321	1,560	2,262	282	72	1,133	3,801	56
8	812	1,326	2,128	2,030	2,263	158	300	2,132	4,246	49
9	878	1,204	1,440	1,261	1,125	162	50	1,370	2,514	42
10	494	679	959	1,087	1,004	24	49	1,220	1,978	46
11	1,398	2,220	3,139	3,260	3,651	510	85	3,094	6,434	45
12	253	521	903	1,100	1,700	297	5	639	2,954	62
13	619	797	996	794	624	70	75	1,030	1,547	40
14	230	459	747	886	1,356	180	1	501	2,094	51
15	965	1,356	1,948	2,154	2,578	320	67	1,947	4,779	55
16	717	1,411	2,069	3,043	4,133	572	35	1,510	6,854	58
17	958	1,414	2,059	2,156	2,157	340	24	2,095	4,223	47
18	787	1,306	1,821	2,509	3,486	221	28	1,378	5,528	55
19	359	679	949	1,198	1,479	153	55	1,007	2,618	55
20	1,099	1,518	2,036	2,320	2,638	276	86	1,817	4,822	49
21	616	780	987	1,077	1,312	153	55	1,266	2,365	48
22	358	546	860	985	1,282	98	19	792	2,170	53
23	656	1,198	2,160	2,567	3,493	286	49	1,428	5,812	56
24	584	952	1,459	1,529	1,756	243	27	1,146	3,278	50
25	497	877	1,316	1,547	2,117	220	120	1,107	3,476	53
26	518	1,096	1,690	1,765	2,450	324	32	1,249	4,154	53
27	453	960	1,481	1,839	2,468	407	15	1,105	4,421	58
28	392	634	957	1,115	1,298	59	24	921	2,228	50
29	412	807	1,488	1,838	2,254	279	27	1,208	3,833	54
30	523	771	1,254	1,441	1,465	111	77	1,206	2,805	51
31	564	957	1,395	1,441	1,318	108	113	1,624	2,753	48
32	257	463	595	751	891	213	9	456	1,765	54
33	1,028	1,460	1,955	1,744	1,659	227	.....	2,003	3,555	44
34	1,223	2,402	3,613	3,808	4,078	817	80	2,450	7,940	50
35	517	669	986	1,042	1,002	105	15	877	2,038	47
36	767	1,126	1,724	1,681	1,726	146	20	1,733	3,506	49
37	307	601	1,197	1,538	2,919	627	23	970	4,530	63
38	474	713	1,217	1,277	1,645	186	5	936	2,906	53
39	625	1,139	1,835	2,226	2,843	284	50	1,412	4,911	55
40	379	646	1,179	1,345	1,607	160	12	810	2,773	52
41	836	1,608	2,502	2,790	3,889	435	40	1,944	6,527	54
42	815	1,215	1,616	1,311	1,168	181	192	1,520	2,831	45
43	277	435	477	298	277	12	24	513	595	34
44	673	1,000	1,314	1,056	938	169	35	1,267	2,460	47
27,191		44,353	65,689	72,122	87,423	10,524	2,238	57,875	157,195	52
1	67	155	295	344	725	10	.....	33	939	59
2	107	216	496	546	1,301	.....	.....	372	1,881	71
3	81	132	263	325	831	.....	.....	262	1,112	68
4	23	96	279	330	1,076	.....	.....	.....	1,297	72
5	168	501	1,297	1,431	5,555	.....	.....	687	6,653	74
6	67	146	355	473	1,636	.....	.....	.....	2,082	78
7	191	384	862	1,248	3,475	.....	.....	743	4,289	70
8	183	397	1,002	1,054	2,452	.....	.....	699	3,392	67
9	58	159	303	311	773	.....	.....	91	1,024	64
10	41	121	262	403	1,296	.....	42	37	1,512	72
11	44	85	225	351	873	.....	.....	131	1,088	69
12	884	1,855	4,270	4,817	17,945	.....	.....	.....	23,327	79
13	84	206	372	345	1,299	.....	.....	246	1,684	74
1,998		4,453	10,281	11,978	39,237	10	42	3,301	50,280	74

61. One county only (Waterloo) excels Haldimand in percentage of average attendance.

I.—TABLE A.—The

Towns.	School population.—Pupils						
	School population between 5 and 21 years of age.	Pupils under 5 years of age.	Pupils between 5 and 21 years of age.	Pupils over 21 years of age.	Total number of pupils of all ages attending school.	Boys.	Girls.
1. Alliston	344		344		344	180	164
2. Almonte	977		394		394	192	202
3. Amherstburg	650		290		290	157	133
4. Arnprior	863		570		570	290	280
5. Aurora	461		333		333	168	165
6. Aymer	537		465		465	220	245
7. Barrie	1,631		1,280		1,280	657	623
8. Berlin	2,849		1,375		1,375	736	639
9. Blenheim	486		427		427	224	203
10. Bothwell	241		216		216	115	101
11. Bowmanville	587		561		561	284	277
12. Bracebridge	845		747		747	377	370
13. Brampton	572		572		572	309	263
14. Brockville	2,721	2	1,381		1,383	689	694
15. Carlton Place	1,317		853		853	424	429
16. Clinton	673		518		518	280	238
17. Coburg	1,099		623		623	329	294
18. Collingwood	1,848		1,265		1,265	639	626
19. Cornwall	1,018		656		656	323	333
20. Deseronto	822		680		680	343	337
21. Dresden	515		445		445	214	231
22. Dundas	857	10	541		551	295	256
23. Durham	420		407	2	409	201	208
24. Essex	440		372		372	189	183
25. Forest	456		341		341	176	165
26. Fort William	897	2	705		707	359	348
27. Galt	1,698		1,439		1,439	727	712
28. Ganaroque	1,098		778		778	415	363
29. Goderich	1,044		740		740	377	363
30. Gore Bay	733		521	8	529	247	282
31. Gravenhurst	762		762		762	385	377
32. Harrison	499	1	422		423	219	204
33. Ingersoll	1,394		773		773	388	385
34. Kincardine	500		499		499	245	254
35. Leamington	535		529		529	250	279
36. Lindsay	1,170		1,068		1,068	545	523
37. Listowel	351		620		620	335	285
38. Little Current	313		201		201	109	92
39. Mattawa	700		123		123	58	65
40. Meaford	435		424	1	425	220	205
41. Midland	800		652		652	333	319
42. Milton	370		370		370	172	198
43. Mitchell	671		474		474	244	230
44. Mount Forest	528		515		515	288	227
45. Napanee	698		655		655	333	322
46. Newmarket	660		395		395	196	199
47. Niagara	340		298		298	161	137
48. Niagara Falls	840		633		633	334	299
49. North Bay	696		453		453	221	232
50. North Toronto	600		450		450	220	230
51. Oakville	424		319		319	154	165
52. Orangeville	593		551		551	254	297
53. Orillia	1,721		1,086		1,086	528	558
54. Oshawa	1,194		795		795	370	425
55. Owen Sound	1,888		1,437		1,437	714	723
56. Palmerston	545		504		504	248	256
57. Parkhill	450		258		258	135	123
58. Paris	932		602		602	316	286
59. Parry Sound	746		713	4	717	358	359



## Public Schools.

attending the Public Schools.

	Attending less than 20 days during the year.	20 to 50 days.	51 to 100 days.	101 to 150 days.	151 to 200 days.	201 days to the whole year.	No. of children 8 to 14 (inc.) who did not attend any school during the year.	No. of children 8 to 14 (inc.) who did not attend any school for 100 days during the year.	Average attendance of pupils.	Percentage of average to total attendance.
1	10	24	54	66	190			57	231	67
2	26	28	48	78	214				275	70
3	20	37	53	52	128		3	44	163	56
4	18	53	100	112	287			92	371	65
5	14	22	35	77	183	2		28	230	69
6	17	35	69	115	229			29	309	66
7	74	135	225	276	570				786	61
8	17	57	117	224	960			150	1,059	77
9	23	30	73	115	186			64	268	63
10	10	29	47	44	86			20	132	62
11	17	31	63	150	300			34	392	70
12	66	81	254	203	143			116	346	46
13	24	44	87	111	306			14	354	62
14	31	87	212	303	750			158	978	71
15	21	55	153	217	407			68	553	65
16	16	31	71	116	280	4		20	365	71
17	18	39	117	174	275			30	419	68
18	64	121	259	310	511			270	791	63
19	23	44	103	137	349			77	450	69
20	35	50	100	133	357	5		70	462	69
21	19	44	78	82	214	8	10	71	293	66
22	21	29	68	91	342			28	400	73
23	8	37	56	116	192			32	265	65
24	16	43	64	84	165			70	226	61
25	12	20	54	78	177			37	233	68
26	50	54	127	149	319	8		99	455	65
27	33	73	171	241	892	29		77	1,085	76
28	49	67	124	156	382			66	502	65
29	28	52	95	154	411				517	70
30	32	62	171	105	159		3	11	273	52
31	66	104	259	167	166		40		390	51
32	25	35	56	77	230				278	66
33	35	71	130	170	367			105	493	64
34	20	36	107	142	194			59	299	60
35	23	47	94	142	223			82	321	61
36	24	72	133	202	626	11		88	758	71
37	19	46	88	112	355			80	429	69
38	15	32	57	50	47				95	48
39	9	8	37	32	37			7	74	60
40	24	36	64	84	217			55	278	65
41	24	71	129	122	306			162	419	64
42	15	19	40	62	234			33	270	74
43	11	27	51	99	182	4		16	350	74
44	15	42	71	108	279			72	358	70
45	32	59	104	135	325			55	451	69
46	17	24	57	67	230			19	271	69
47	22	36	92	67	81			42	153	52
48	10	36	137	120	330			36	454	72
49	36	42	103	106	166			46	271	60
50	16	52	84	114	184			64	285	63
51	6	26	50	78	159		4	27	208	66
52	30	40	76	109	296			72	365	66
53	41	76	174	202	593			67	752	69
54	21	62	121	159	432			88	533	67
55	57	109	228	298	745			108	990	69
56	28	37	85	101	253			77	329	66
57	3	20	38	72	125				185	72
58	12	30	96	118	311	35			432	72
59	72	109	135	172	228	1		86	350	49

I.—TABLE A —The

Towns.	School population.—Pupils						
	School population between 5 and 21 years of age.	Pupils under 5 years of age.	Pupils between 5 and 21 years of age.	Pupils over 21 years of age.	Total number of pupils of all ages attending school.	Boys.	Girls.
60. Pembroke .....	1,156		642		642	341	301
61. Penetanguishene .....	617		282		282	163	119
62. Perth .....	986		571		571	285	286
63. Peterborough .....	4,064		1,720		1,720	876	844
64. Petrolia .....	1,478		1,074		1,074	539	535
65. Picton .....	868		645		645	348	297
66. Port Arthur .....	927		466		466	234	232
67. Port Hope .....	1,123		890		890	437	453
68. Prescott .....	701		373		373	174	199
69. Rat Portage .....	1,031		870		870	468	402
70. Renfrew .....	807		463		463	216	247
71. Ridgeway .....	665		546		546	279	267
72. Sandwich .....	429		291		291	137	154
73. Sarnia .....	2,133		1,317		1,317	676	641
74. Sault Ste. Marie .....	988		814		814	412	402
75. Seaforth .....	717		468		468	239	229
76. Simcoe .....	751		521		521	284	237
77. Smith's Falls .....	1,050		967		967	490	477
78. Stayner .....	374		355		355	180	175
79. Sturgeon Falls .....	145	3	102		105	67	38
80. St. Mary's .....	937	1	785		786	382	404
81. Strathroy .....	754		573	1	574	283	291
82. Sudbury .....	210		204		204	104	100
83. Thessalon .....	262		261		261	130	131
84. Thornbury .....	355		220		220	122	98
85. Thorold .....	511		385		385	195	190
86. Tilsonburg .....	516		444		444	211	233
87. Toronto Junction .....	1,707		1,701		1,701	891	810
88. Trenton .....	1,300		658		658	332	326
89. Uxbridge .....	724		446		446	219	227
90. Vankleekhill .....	483	2	182		184	99	85
91. Walkerton .....	697		534		534	262	272
92. Walkerville .....	386		241		241	130	111
93. Wallaceburg .....	904		647	2	649	330	319
94. Waterloo .....	986		625		625	309	316
95. Welland .....	442		402		402	204	198
96. Whitchurch .....	802		476		476	259	217
97. Wingham .....	650		570		570	318	252
98. Woodstock .....	671		544		544	273	271
99. Woodstock .....	1,946		1,734		1,734	865	869
Total .....	86,757	21	61,429	18	61,468	31,232	30,236
Totals.							
1. Counties, etc .....	382,628	1,274	305,846	182	307,302	161,518	145,784
2. Cities .....	121,915	2	67,952	3	67,957	34,611	33,346
3. Towns .....	86,757	21	61,429	18	61,468	31,232	30,236
4. Grand total, 1898 .....	591,300	1,297	435,227	203	436,727	227,361	209,366
5. Grand total, 1897 .....	590,055	1,269	439,642	246	441,157	230,335	210,822
6. Increase .....	1,245	28					
7. Decrease .....			4,415	43	4,430	2,974	1,456
8. Percentage .....		.30	99.65	.5		52	48

## Public Schools.

attending the Public Schools.

	Attending less than 20 days during the year.	20 to 50 days.	51 to 100 days.	101 to 150 days.	151 to 200 days.	201 days to the whole year.	No. of children 8 to 14 (inc.) who did not attend any school during the year.	No. of children 8 to 14 (inc.) who did not attend any school for 100 days during the year.	Average attendance of pupils.	Percentage of average to total attendance.
60	25	38	101	122	356				450	70
61	15	41	72	77	77			10	157	56
62	18	28	67	111	347			36	409	72
63	35	85	249	309	1,042			135	1,278	74
64	45	73	139	225	592			85	762	71
65	28	60	84	122	351			69	436	68
66	17	48	76	97	228			43	309	66
67	25	43	125	184	513			72	648	73
68	11	26	55	99	182		27		254	68
69	54	118	189	136	373			92	511	59
70	12	30	63	131	227			47	325	70
71	31	38	79	116	282			83	360	66
72	16	41	75	60	99		21	23	161	56
73	51	92	221	273	680			82	868	74
74	75	113	163	205	258			207	445	55
75	10	41	73	108	236			52	312	67
76	37	48	94	109	233		4	92	315	61
77	36	67	167	178	519			122	664	69
78	8	49	58	98	142			81	165	47
79	16	17	16	35	21			5	46	44
80	35	63	258	299	131			53	391	50
81	20	46	101	120	287			17	376	66
82	14	17	45	54	74			27	124	61
83	21	36	63	65	76			60	137	53
84	17	22	49	45	87		3	46	136	62
85	18	38	72	125	132			18	210	55
86	24	39	67	92	222			88	286	65
87	138	174	382	355	652			231	938	55
88	42	49	118	145	304			195	418	64
89	25	43	72	115	191			60	267	60
90	5	18	22	37	102			9	142	78
91	7	34	59	80	349	5		29	400	75
92	5	18	39	36	143			28	174	73
93	38	51	126	136	298		170	81	411	64
94	8	27	59	122	409			21	478	77
95	18	31	64	70	219			67	271	68
96	27	32	101	110	206				301	63
97	28	57	95	129	261			25	331	58
98	26	50	94	77	284	13		40	359	66
99	54	113	213	349	979	36		25	1,256	73
	2,675	4,972	10,409	13,112	30,149	151	285	5,894	40,395	66
1	27,191	44,853	65,689	72,122	87,423	10,524	2,238	57,875	157,195	52
2	1,998	4,453	10,281	11,978	33,237	10	42	3,301	50,280	74
3	2,675	4,972	10,409	13,112	30,149	151	285	5,894	40,305	66
4	31,864	53,778	86,379	97,212	156,809	10,685	2,565	67,070	247,780	57
5	32,446	54,725	90,147	97,824	157,835	8,180	2,243	68,791	248,548	56
6						2,505	322			1
7	582	947	3,768	612	1,026			1,721	768	
8	7	12	20	22	37	2				



## II.—TABLE B—The

Counties. (Including incorporated villages but not cities or towns.)	Reading.						Number of pupils in the		
	1st Reader Part I.	1st Reader Part II.	2nd Reader.	3rd Reader.	4th Reader.	5th Reader.	Writing.	Arithmetic.	Drawing.
1. Brant .....	578	403	726	809	631	218	3,365	3,365	3,365
2. Bruce .....	2,679	1,923	2,115	2,609	2,370	609	12,115	12,180	11,974
3. Carleton .....	1,577	958	1,391	1,352	1,335	329	6,158	6,742	6,089
4. Dundas .....	1,241	847	931	773	804	269	4,754	4,849	4,589
5. Dufferin .....	1,169	723	832	975	1,098	314	4,947	4,997	4,910
6. Durham .....	937	772	1,107	1,138	969	280	5,203	5,203	5,203
7. Elgin .....	1,375	936	1,288	1,250	1,334	590	6,543	6,607	6,405
8. Essex .....	2,494	1,633	1,713	1,499	1,188	190	8,474	8,441	8,310
9. Frontenac .....	1,465	893	1,012	1,224	1,281	197	5,616	5,701	5,336
10. Glengarry .....	1,272	608	958	676	625	108	4,185	4,204	3,822
11. Grey .....	3,268	2,260	3,006	3,039	2,077	528	14,052	13,928	12,576
12. Haldimand .....	978	698	909	938	1,041	210	4,653	4,712	4,330
13. Hal'br'n & N.E. Mus .....	1,059	726	823	753	470	69	3,633	3,733	3,329
14. Halton .....	753	618	658	703	826	250	3,808	3,808	3,808
15. Hastings .....	2,535	1,838	1,739	1,634	1,289	286	9,170	9,253	9,046
16. Huron .....	1,910	1,559	2,198	2,669	2,656	953	11,522	11,718	11,028
17. Kent .....	2,332	1,317	1,806	1,528	1,506	595	8,760	8,933	8,721
18. Lambton .....	2,453	1,766	1,694	1,872	1,785	560	10,018	10,000	9,804
19. Lanark .....	1,188	818	919	906	799	187	4,817	4,817	4,817
20. Leeds & Grenville .....	2,047	1,406	1,871	1,978	2,237	398	9,874	9,492	8,808
21. Lennox & Addington .....	1,052	612	861	1,125	1,074	201	2,906	2,919	2,882
22. Lincoln .....	855	571	691	903	1,016	93	3,955	4,032	3,812
23. Middlesex .....	1,801	1,469	1,861	2,156	2,434	639	10,221	10,290	10,242
24. Norfolk .....	1,412	876	1,209	1,209	1,546	271	6,366	6,454	6,074
25. Northumberland .....	1,257	861	1,360	1,521	1,296	279	6,471	6,521	6,107
26. Ontario .....	1,450	1,079	1,328	1,733	1,842	411	7,478	7,453	6,985
27. Oxford .....	1,470	1,109	1,311	1,564	1,591	563	7,466	7,487	7,181
28. Peel .....	909	678	768	964	879	257	4,888	4,423	4,275
29. Perth .....	1,238	1,019	1,084	1,872	1,356	509	6,797	6,905	5,836
30. Peterborough .....	1,343	844	1,000	1,167	1,052	159	5,216	5,452	4,767
31. Prescott & Russell .....	1,936	976	1,054	935	716	196	5,378	5,550	5,257
32. Prince Edward .....	525	373	567	612	836	256	3,142	3,131	3,035
33. Renfrew .....	2,177	1,277	1,569	1,403	1,338	339	7,373	7,796	6,310
34. Simcoe & W. Mus. ....	3,650	2,537	2,969	3,099	2,697	989	15,255	15,706	14,890
35. Stormont .....	1,149	628	991	745	675	134	4,305	4,320	4,218
36. Victoria & S.E. Mus. ....	1,449	1,092	1,398	1,559	1,291	381	6,810	6,971	6,569
37. Waterloo .....	1,489	1,185	1,702	1,606	971	236	6,793	7,036	6,632
38. Welland .....	1,210	717	939	1,097	1,247	302	5,409	5,491	5,401
39. Wellington .....	1,766	1,277	1,788	1,789	1,898	434	8,798	8,870	8,336
40. Wentworth .....	1,027	692	992	1,218	1,070	317	5,193	5,229	5,132
41. York .....	2,786	1,660	2,398	2,412	2,162	442	11,695	11,802	11,610
42. Dist. Algoma .....	1,813	1,017	1,150	1,313	862	151	5,974	6,042	5,551
43. " Nipissing .....	625	391	292	265	163	40	1,434	1,507	1,230
44. " Parry Sound .....	1,548	886	912	996	668	140	4,732	4,868	4,431
Total .....	69,248	46,728	57,830	61,586	57,031	14,879	294,762	298,966	282,953
Cities.									
1. Belleville .....	402	252	277	292	373		1,596	1,596	1,596
2. Brantford .....	609	347	418	796	496		2,666	2,666	2,666
3. Chatham .....	333	295	337	295	322		1,632	1,632	1,632
4. Guelph .....	382	206	210	495	368	143	1,804	1,804	1,801
5. Hamilton .....	2,143	1,194	1,207	2,257	1,677	474	8,250	8,952	8,952
6. Kingston .....	667	350	357	728	585		2,677	2,677	2,677
7. London .....	1,352	861	1,245	1,301	1,401		6,160	6,160	6,160
8. Ottawa .....	1,170	627	696	1,141	1,227	227	5,088	5,088	5,088
9. St. Catharines .....	430	297	257	359	261		1,604	1,604	1,604
10. St. Thomas .....	569	265	460	438	390		2,123	2,123	2,123
11. Stratford .....	277	227	223	417	434		1,578	1,578	1,578
12. Toronto .....	5,251	3,651	6,904	6,524	5,286	2,155	29,769	29,769	29,769
13. Windsor .....	830	427	477	326	246		2,306	2,306	2,306
Total .....	14,455	9,000	13,06	15,369	13,066	2,999	67,253	67,955	67,959

## Public Schools.

different branches of instruction.

	Geography.	Music.	Grammar and Composition.	English History.	Canadian History.	Physiology and Temperance.	Drill and Calisthenics.	Bookkeeping.	Algebra.	Geometry.	Botany.	Elementary Physics.	Agriculture.
1	3,365	1,512	2,380	877	1,662	1,306	2,092	197	199	198	23	20	.....
2	8,444	6,673	7,877	3,287	5,437	8,329	5,329	556	587	575	46	132	52
3	4,555	2,383	4,440	1,714	2,521	2,208	1,606	313	321	297	13	24	10
4	3,709	2,397	3,258	1,082	1,308	1,437	2,687	241	264	266	10	59	4
5	3,446	3,118	3,069	1,634	2,111	2,447	3,515	284	297	299	46	99	186
6	3,575	1,626	3,311	1,017	1,211	1,279	1,095	244	236	235	39	36	.....
7	5,156	2,395	4,837	1,984	3,082	3,800	3,142	548	529	526	62	113	97
8	5,719	2,374	4,889	2,041	2,783	5,818	3,754	203	160	150	19	9	44
9	3,833	3,833	1,743	3,264	2,233	1,713	2,456	162	146	142	36	5	.....
10	2,566	811	2,263	841	907	967	940	102	103	102	...	9	.....
11	10,267	6,032	9,126	2,693	5,370	9,365	7,866	488	491	469	45	158	80
12	3,626	2,687	3,367	1,275	1,663	1,830	2,457	210	183	183	52	65	.....
13	2,337	955	1,909	777	873	791	822	191	51	41	9	1	1
14	2,518	1,519	2,517	1,140	1,517	1,483	1,771	266	261	251	7	1	.....
15	5,382	4,077	5,362	1,688	3,067	4,952	5,911	1,129	276	269	19	35	.....
16	9,122	5,275	8,050	3,812	5,573	4,634	4,945	883	886	875	33	178	.....
17	6,423	4,157	5,622	2,345	2,929	3,897	4,297	593	588	588	34	101	83
18	6,192	4,201	6,995	3,312	4,117	4,454	5,583	533	535	529	46	80	68
19	2,992	799	2,917	1,072	1,549	1,564	2,586	175	176	176	...	20	.....
20	6,817	2,800	6,313	3,270	3,814	3,246	2,695	447	379	374	11	40	20
21	3,489	1,265	3,111	1,905	2,113	2,653	2,009	276	171	171	24	28	2
22	2,983	1,541	2,746	1,205	1,618	1,680	1,937	118	86	72	1	1	24
23	9,056	5,726	8,577	3,226	4,018	5,901	5,061	619	605	568	15	14	9
24	4,518	3,401	3,875	1,850	2,112	2,245	4,133	287	239	244	7	25	31
25	4,933	3,025	4,270	1,294	1,923	1,914	1,854	384	264	241	7	16	.....
26	5,090	2,146	4,755	2,314	2,967	2,794	2,367	399	349	371	29	44	21
27	5,686	2,555	5,016	2,433	3,224	3,006	2,575	548	544	507	99	149	6
28	3,077	1,211	2,704	1,315	1,894	1,597	2,180	268	256	256	.....	1	.....
29	4,703	1,699	4,185	1,945	2,416	2,130	1,823	238	230	227	1	11	.....
30	4,087	1,476	3,220	1,307	1,853	2,247	2,279	216	149	143	122	55	156
31	3,305	1,646	3,099	1,018	1,495	1,831	3,132	214	191	188	7	33	5
32	2,560	1,171	2,363	1,149	1,278	1,719	1,455	263	255	247	122	74	27
33	4,305	1,328	3,908	1,940	2,460	2,515	975	369	348	343	35	43	.....
34	10,111	8,962	9,980	4,294	6,298	5,890	11,604	1,248	973	962	76	150	10
35	2,845	1,009	2,710	901	1,175	1,176	1,442	146	124	124	70	42	4
36	4,929	2,450	4,611	1,977	2,408	2,102	2,557	354	353	351	230	85	28
37	4,815	4,858	4,350	959	2,101	1,602	2,006	236	209	209	19	13	3
38	3,855	1,349	3,578	1,760	2,396	2,256	1,238	339	289	246	...	42	21
39	6,008	3,157	5,379	2,403	3,739	3,391	2,917	410	409	385	39	64	3
40	3,650	1,799	3,401	1,518	2,134	1,540	1,513	364	296	286	58	8	112
41	8,668	6,016	8,395	2,746	3,655	4,436	5,288	534	426	413	159	75	.....
42	3,758	1,555	3,295	1,272	1,907	1,979	1,595	189	153	151	41	31	18
43	1,737	177	681	221	337	305	267	73	38	37	2	2	.....
44	2,842	992	2,545	906	1,389	1,157	1,496	137	133	131	12	16	79
	210,034	120,149	191,342	81,013	110,657	123,086	128,793	15,994	13,758	13,418	1,225	2,205	1,204
1	958	1,090	1,125	373	679	638	1,596	.....	.....	.....	.....	.....	.....
2	2,666	2,666	1,792	496	941	2,666	2,666	.....	.....	.....	.....	.....	.....
3	1,632	1,632	1,204	483	617	483	1,632	.....	.....	.....	.....	.....	.....
4	1,358	1,204	1,689	363	863	852	1,641	140	.....	.....	.....	.....	.....
5	6,661	8,832	6,809	2,305	3,261	6,809	8,952	472	463	463	2,049	114	.....
6	1,596	2,677	2,000	650	915	1,101	2,675	.....	.....	.....	.....	.....	.....
7	6,160	6,160	2,897	915	2,155	6,160	6,160	.....	.....	.....	.....	.....	.....
8	2,495	3,590	2,495	1,454	1,454	5,088	5,088	227	227	227	60	.....	.....
9	1,174	.....	1,174	261	404	404	.....	.....	.....	.....	.....	.....	.....
10	1,288	2,123	1,288	390	1,288	1,288	2,123	.....	.....	.....	.....	.....	.....
11	1,448	1,578	1,133	434	609	968	1,578	.....	.....	.....	.....	.....	.....
12	29,574	28,081	29,620	4,744	7,695	18,462	28,914	4,187	2,151	2,151	1,030	665	.....
13	1,354	1,094	1,095	246	572	2,306	2,306	.....	.....	.....	.....	.....	.....
	58,767	60,727	54,321	13,119	21,453	47,225	65,831	5,026	2,841	2,841	3,139	779	.....

## II.—TABLE B—

Towns.	Number of Pupils in the								
	Reading.						Writing.	Arithmetic.	Drawing.
	1st Reader Part I.	1st Reader Part II.	2nd Reader.	3rd Reader.	4th Reader.	5th Reader.			
1. Alliston .....	56	47	59	70	62	50	344	340	300
2. Almonte .....	75	62	79	81	97	.....	394	394	394
3. Amherstburg .....	71	50	65	35	47	22	290	290	290
4. Arnprior .....	171	76	127	96	100	.....	570	570	570
5. Aurora .....	41	71	88	63	70	.....	333	333	333
6. Aymer .....	38	70	99	122	136	.....	465	465	465
7. Barrie .....	302	169	286	250	199	74	1,280	1,280	1,280
8. Berlin .....	281	284	318	289	203	.....	1,375	1,375	1,375
9. Blenheim .....	81	78	104	62	53	49	427	427	427
10. Bothwell .....	54	28	36	43	28	27	216	216	216
11. Bowmanville .....	113	99	105	110	134	.....	561	561	561
12. Bracebridge .....	218	132	161	140	47	49	564	564	564
13. Brampton .....	125	98	101	136	112	.....	572	572	521
14. Bruckville .....	306	224	319	320	214	.....	1,383	1,383	1,382
15. Carleton Place .....	251	130	140	142	196	.....	853	853	853
16. Clinton .....	81	84	99	152	102	.....	518	518	518
17. Cobourg .....	101	107	113	158	144	.....	623	623	623
18. Collingwood .....	314	170	240	240	301	.....	1,265	1,265	1,265
19. Cornwall .....	132	104	136	120	114	.....	656	656	656
20. Deseronto .....	236	110	134	93	107	.....	680	680	680
21. Dresden .....	118	79	58	70	67	53	445	445	400
22. Dundas .....	146	108	63	124	110	.....	551	551	464
23. Durham .....	69	68	63	67	64	78	409	409	371
24. Essex .....	115	49	69	82	57	.....	372	372	372
25. Forest .....	80	69	53	71	68	.....	341	341	305
26. Fort William .....	259	165	129	57	97	.....	707	707	707
27. Galt .....	310	189	236	326	343	35	1,317	1,439	1,317
28. Gananoque .....	174	124	168	170	142	.....	778	778	778
29. Goderich .....	119	113	175	242	91	.....	740	740	508
30. Gore Bay .....	48	51	140	164	104	22	529	529	529
31. Gravenhurst .....	342	118	98	93	111	.....	762	762	762
32. Harriston .....	81	61	91	70	120	.....	423	423	423
33. Ingersoll .....	113	184	198	135	143	.....	773	773	773
34. Kincardine .....	104	58	91	128	118	.....	499	499	499
35. Leamington .....	89	145	98	69	128	.....	529	529	529
36. Lindsay .....	212	133	213	292	218	.....	1,068	1,068	1,068
37. Listowel .....	164	69	118	138	131	.....	620	620	620
38. Little Current .....	47	33	44	29	20	28	201	201	201
39. Mattawa .....	31	12	23	22	20	15	116	123	116
40. Meaford .....	113	49	106	94	63	.....	425	425	425
41. Midland .....	189	75	147	110	90	41	652	652	652
42. Milton .....	92	58	74	31	56	59	370	370	370
43. Mitchell .....	97	56	66	129	126	.....	474	474	474
44. Mount Forest .....	91	68	129	100	127	.....	515	515	515
45. Nap-ee .....	129	59	114	150	203	.....	655	655	655
46. Newmarket .....	104	41	88	88	74	.....	395	395	395
47. Niagara .....	47	39	59	73	80	.....	298	298	298
48. Niagara Falls .....	184	54	110	133	152	.....	633	633	440
49. North Bay .....	173	60	60	62	61	37	453	453	453
50. North Toronto .....	143	74	90	72	53	18	450	450	450
51. Oakville .....	87	61	59	55	57	.....	319	319	319
52. Orangeville .....	109	124	96	106	116	.....	551	551	551
53. Orillia .....	220	128	222	368	189	59	1,086	1,086	1,086
54. Oshawa .....	149	110	173	212	151	.....	795	795	795
55. Owen Sound .....	304	197	330	300	306	.....	1,437	1,437	1,437
56. Palmerston .....	124	58	67	76	117	62	504	504	485
57. Parkhill .....	34	28	50	73	73	.....	258	258	258
58. Paris .....	100	114	99	184	105	.....	602	602	602
59. Parry Sound .....	252	104	103	100	93	65	717	717	632
60. Pembroke .....	171	87	85	109	190	.....	642	642	642
61. Penetanguishene .....	158	44	37	43	.....	.....	282	282	80



## The Public Schools.

different branches of Instruction.

Geography.	Music.	Grammar and Composition.	English History.	Canadian History.	Physiology and Temperance.	Drill and Calisthenics.	Book-keeping.	Algebra.	Geometry.	Botany.	Elementary Physics.	Agriculture.
1	300	300	344	108	178	300	344	22	64	64	3	44
2	292	292	140	140	140	97	97					
3	169	115	145	69	104	290	220	22	22	22	3	40
4	323	570	570	100	196	570	570					
5	333	263	333	70	133	133	243					
6	465	207	465	136	238	238	309					
7	1,280	1,280	523	523	523	962	1,280	748	74	74		
8	810	810	492	203	492	492						
9	371	214	322	102	164	219	263	49	49	49		
10	216	216	146	55	55	98	98	27	27	27		
11	375	509	561	134	244	561	561					
12	237	220	329	96	148	148	269	39	49	49	10	
13	409	572	404	112	147	147	572					
14	851	952	1,383	368	368	534	1,383					
15	602	472	190	244	190	244	853					
16	437	518	254	102	186	77	518					
17	623	623	302	144	302	144	623					
18	767	1,023	781	504	577	1,265	1,265					
19	474	656	474	114	175	656	656					
20	334	323	451	107	200	200	417					
21	296	350	296	96	190	190	190	40	53	53	32	
22	297	551	297	64	234	64	551					
23	302	310	142	209	234	340	40	78	78		38	
24	372	372	372	57	139	372	304					
25	192	341	341	68	139	139	341					
26	443	514	448	29	154	154	282					
27	1,129	777	880	244	699	746		35	35	35		
28	778	337	480	142	312	480	274					
29	508	740	333	173	173	91						
30	529	188	104	104	65		21	40	40		14	
31	762	302	111	186	188	295						
32	342	281	342	120	190	225	306					
33	773	773	773	143	237	773	773					
34	382	153	499	118	246	269		62				
35	529	529	529	128	197	529	59					
36	717	264	773	218	323	265	243					
37	387	620	387	131	199	269						
38	121	153	121	77	77	48	28	28	28	16	10	
39	116	123	123	46	65	58	123	8	15	15	8	
40	425	425	425	63	210	210	425					
41	652	590	652	241	241	453	611	41	41	41	15	
42	370	370	370	115	146	370	370	96	59	59	22	
43	377	97	321	126	201	126						
44	352	352	185	227	515	48						
45	655	655	353	353	467	655						
46	250	321	314	74	112	74	204					
47	178	218	193	80	153	224	218					
48	449	395	152	285	152							
49	210	453	108	180	453	453	37	47	47		17	
50	450	450	71	143	71	450	18	18	18			
51	176	319	176	57	112	176	207	2				
52	442	503	551	116	222	318	551					
53	896	903	813	302	516	579	566	254	59	59		
54	484	429	85	284	151	263						
55	996	1,437	996	306	606	1,437	43	62	62		19	
56	380	325	380	255	122							
57	196	258	146	73	146	73						
58	388	51	289	105	214	602						
59	340	207	335	158	237	193	609	44	6	65	21	
60	642	642	471	109	299	299	642					
61	80	200	80	43	43							

II.—TABLE B.—

Towns.	Number of pupils in the								
	Reading.						Writing.	Arithmetic.	Drawing.
	1st Reader Part I.	1st Reader Part II.	2nd Reader.	3rd Reader.	4th Reader.	5th Reader.			
62. Perth .....	100	74	128	136	133	571	571	571	
63. Peterborough .....	403	319	337	318	343	1,720	1,720	1,720	
64. Petrolea .....	282	167	159	240	226	1,074	1,074	1,047	
65. Picton .....	137	94	97	168	149	645	645	645	
66. Port Arthur .....	202	65	54	57	88	466	466	466	
67. Port Hope .....	203	146	212	150	179	890	890	690	
68. Prescott .....	91	62	61	60	99	373	373	373	
69. Rat Portage .....	284	172	125	145	74	870	870	870	
70. Renfrew .....	118	57	47	98	143	463	463	463	
71. Ridgetown .....	138	66	108	102	132	546	546	546	
72. Sandwich .....	80	36	83	53	39	291	291	291	
73. Sarnia .....	355	174	256	193	337	1,317	1,317	1,317	
74. Sault Ste. Marie .....	303	108	128	111	99	749	814	804	
75. Seaforth .....	73	79	52	105	124	468	468	468	
76. Simcoe .....	99	63	110	111	138	521	521	521	
77. Smith's Falls .....	327	131	189	162	158	967	967	967	
78. Stayner .....	132	15	51	50	57	655	355	355	
79. Surgeon Falls .....	35	18	17	17	16	102	102	102	
80. St. Marys .....	107	121	128	268	162	769	769	631	
81. Strathroy .....	131	88	106	111	138	574	574	574	
82. Sudbury .....	46	28	30	39	36	204	204	204	
83. Thessalon .....	91	26	41	49	36	261	261	261	
84. Thornbury .....	50	31	41	34	44	220	220	220	
85. Thorold .....	70	63	88	89	75	385	385	385	
86. Tilsonburg .....	75	55	94	87	133	444	444	444	
87. Toronto Junction .....	503	289	325	335	244	1,701	1,701	1,701	
88. Trenton .....	162	139	161	114	82	658	658	638	
89. Uxbridge .....	81	98	97	111	59	446	446	446	
90. Vankeekhill .....	49	22	34	38	41	184	184	184	
91. Walkerton .....	117	70	128	109	110	534	534	534	
92. Walkerville .....	58	36	46	49	52	241	241	241	
93. Wallaceburg .....	172	103	98	140	47	550	634	610	
94. Waterloo .....	123	86	148	152	116	625	625	625	
95. Welland .....	77	89	60	116	60	402	402	402	
96. Whitby .....	104	50	77	112	133	476	476	476	
97. Wiarton .....	142	117	137	96	78	570	570	428	
98. Wingham .....	102	67	117	117	64	544	542	544	
99. Woodstock .....	452	302	338	324	318	1,734	1,734	1,734	
Total .....	14,862	9,435	11,809	12,405	11,656	1,301	60,972	61,286	59,563
Totals.									
1. Counties, etc .....	69,248	46,728	57,830	61,586	57,031	14,879	294,762	298,966	282,953
2. Cities .....	14,445	9,000	13,168	15,369	13,066	2,999	67,253	67,955	67,952
3. Towns .....	14,862	9,435	11,809	12,405	11,656	1,301	60,972	61,286	59,563
4. Grand Total, 1898 .....	98,565	65,163	82,707	89,362	81,753	19,179	422,987	428,207	410,468
5. Grand Total, 1897 .....	100,075	65,482	83,423	90,942	81,823	19,412	425,801	431,704	411,982
6. Increase .....									
7. Decrease .....	1,510	319	716	1,582	70	233	2,814	3,497	1,514
8. Percentage .....	23	15	19	20	19	4	97	98	94

## The Public Schools.

different branches of instruction.

	Geography.	Music.	Grammar and Composition.	English History.	Canadian History.	Physiology and Temperance.	Drill and Calisthenics.	Book-keeping.	Algebra.	Geometry.	Botany.	Elementary Physics.	Agriculture.
62	397	.....	339	133	191	133	571	.....	.....	.....	.....	.....	.....
63	998	.....	1,720	285	661	661	1,366	.....	.....	.....	.....	.....	.....
64	849	1,074	1,074	226	466	601	1,074	.....	.....	.....	.....	.....	.....
65	499	586	499	199	266	506	334	.....	.....	.....	.....	.....	.....
66	299	.....	233	65	145	.....	.....	.....	.....	.....	.....	.....	.....
67	541	494	541	179	262	329	451	.....	.....	.....	.....	.....	.....
68	210	.....	272	159	159	159	.....	.....	.....	.....	.....	.....	.....
69	436	43	289	289	289	870	43	34	70	70	34	23	.....
70	317	463	241	143	241	241	.....	.....	.....	.....	.....	.....	.....
71	408	414	546	234	234	186	414	.....	.....	.....	.....	.....	.....
72	261	60	188	39	66	72	60	.....	.....	.....	.....	.....	.....
73	828	1,111	1,059	532	532	1,168	1,174	48	24	10	.....	.....	.....
74	501	477	511	201	231	336	226	55	65	65	3	21	.....
75	468	236	349	113	159	56	289	35	35	35	.....	.....	.....
76	422	521	360	138	249	521	521	.....	.....	.....	.....	.....	.....
77	967	967	967	158	230	967	967	.....	.....	.....	.....	.....	.....
78	355	.....	208	50	157	132	.....	42	50	50	.....	18	.....
79	102	.....	102	34	34	34	.....	2	4	4	.....	2	.....
80	558	91	456	162	430	71	140	.....	.....	.....	.....	.....	.....
81	355	574	355	73	249	574	574	.....	.....	.....	.....	.....	.....
82	130	.....	204	61	93	32	.....	18	25	25	.....	7	.....
83	261	261	170	54	103	261	.....	27	17	17	6	6	.....
84	220	.....	220	64	98	220	220	38	38	38	38	38	.....
85	385	.....	316	75	164	252	69	.....	.....	.....	.....	.....	.....
86	314	444	314	176	176	256	369	.....	.....	.....	.....	.....	.....
87	934	1,634	1,190	259	553	435	1,701	5	5	5	.....	.....	.....
88	426	85	414	82	201	201	218	.....	.....	.....	.....	.....	.....
89	446	446	288	170	170	288	446	.....	.....	.....	.....	.....	.....
90	135	184	184	41	41	41	100	.....	.....	.....	.....	.....	.....
91	417	325	534	110	239	534	534	.....	.....	.....	.....	.....	.....
92	241	.....	183	52	101	183	94	.....	.....	.....	.....	.....	.....
93	475	649	649	148	211	115	649	35	89	89	.....	52	.....
94	416	178	502	116	184	116	123	.....	.....	.....	.....	.....	.....
95	365	200	365	60	160	402	402	.....	.....	.....	.....	.....	.....
96	428	476	476	245	245	476	476	.....	.....	.....	.....	.....	.....
97	286	328	378	78	174	378	174	.....	.....	.....	.....	.....	.....
98	442	567	375	147	2 8	104	.....	77	77	77	.....	31	.....
99	1,282	1,734	652	318	652	998	1,734	.....	.....	.....	.....	.....	.....
	45,380	39,172	43,836	14,433	23,013	31,501	37,849	2,109	1,386	1,308	122	432	40
1	210,034	120,149	191,342	81,013	110,657	123,086	128,793	15,994	13,758	13,418	1,225	2,205	1,204
2	58,767	60,727	54,321	13,119	21,453	47,225	65,331	5,026	2,841	2,841	3,139	779	.....
3	45,380	39,172	43,836	14,433	23,013	31,501	37,849	2,109	1,386	1,308	122	432	40
4	314,181	220,048	289,499	108,565	155,123	201,817	231,973	23,129	17,985	17,567	4,486	3,416	1,244
5	314,718	208,078	290,716	107,570	156,493	197,216	241,482	23,668	17,984	17,166	5,161	4,100	2,189
6	.....	11,370	.....	995	.....	4,596	.....	.....	1	401	.....	.....	.....
7	537	.....	1,217	.....	1,370	.....	9,509	539	.....	.....	675	684	915
8	72	51	66	25	36	46	53	5	4	4	1	1	1



III.—TABLE C.—The

Counties. (Including incorporated villages, but not cities or towns.)	Total number.			Average salaries.		
	Public school Teachers.	Male.	Female.	Highest salary paid.	Average salary, male teacher.	Average salary, female teacher.
				\$	\$	\$
1 Brant .....	69	24	45	575	405	290
2 Bruce .....	217	91	126	725	342	241
3 Carleton .....	132	50	82	600	346	259
4 Dundas .....	105	49	56	700	321	250
5 Dufferin .....	96	30	66	600	326	267
6 Durham .....	115	52	63	550	338	262
7 Elgin .....	131	51	80	535	364	273
8 Essex .....	148	64	84	650	371	273
9 Frontenac .....	149	38	111	450	261	220
10 Glengarry .....	83	20	63	550	319	244
11 Grey .....	244	90	154	600	333	248
12 Hamilton .....	101	39	62	700	354	272
13 Haliburton and N. E. Muskoka .....	107	12	95	600	291	196
14 Halton .....	76	35	41	600	360	278
15 Hastings .....	201	55	146	700	348	253
16 Huron .....	220	118	102	700	356	251
17 Kent .....	148	58	90	600	357	286
18 Lambton .....	199	67	132	600	350	263
19 Lanark .....	132	26	106	600	286	228
20 Leeds and Grenville .....	257	68	189	700	292	230
21 Lennox and Addington .....	125	34	91	650	309	225
22 Lincoln .....	83	39	44	600	379	271
23 Middlesex .....	210	91	119	525	346	265
24 Norfolk .....	121	54	67	600	321	243
25 Northumberland .....	130	52	78	700	350	248
26 Ontario .....	139	70	69	800	353	271
27 Oxford .....	137	81	56	610	389	270
28 Peel .....	87	40	47	600	350	281
29 Perth .....	120	59	61	550	365	280
30 Peterborough .....	114	38	76	650	322	241
31 Prescott and Russell .....	116	29	87	*1,200	342	225
32 Prince Edward .....	82	31	51	550	314	250
33 Renfrew .....	150	30	120	500	284	211
34 Simcoe and W. Muskoka .....	273	124	149	750	340	262
35 Stormont .....	87	27	60	450	316	237
36 Victoria and S. E. Muskoka .....	151	55	96	575	332	237
37 Waterloo .....	134	64	70	750	408	266
38 Welland .....	101	36	65	720	372	269
39 Wellington .....	166	88	78	650	368	267
40 Wentworth .....	95	48	47	500	391	271
41 York .....	205	93	112	850	391	283
42 Dist. Algoma .....	134	57	77	700	307	265
43 " Nipissing .....	63	11	42	500	273	204
44 " Parry Sound .....	139	34	105	600	318	225
Total .....	6,082	2,322	3,760	800	346	250

\* Plantagenet Training School.

## Public Schools.

teachers.

Attended a Normal School.		Certificates.						
Number of teachers who have attended a Normal School.		Total number of certificates.	Provincial 1st class.	Provincial 2nd class.	1st class old County Board.	2nd class old County Board.	3rd class.	Temporary certificates.
								Other certificates.
1	38	69	6	32	.....	.....	31	.....
2	52	217	6	48	.....	.....	163	.....
3	38	132	3	36	1	.....	90	2
4	38	105	2	26	1	.....	76	.....
5	22	96	3	20	.....	.....	73	.....
6	45	115	3	42	.....	1	69	.....
7	38	131	6	39	.....	.....	86	.....
8	35	148	5	46	.....	.....	89	8
9	35	149	2	33	.....	1	112	1
10	18	83	1	17	.....	.....	65	.....
11	59	244	2	65	.....	.....	177	.....
12	36	101	8	28	1	.....	64	.....
13	7	107	2	12	.....	.....	79	14
14	23	76	1	23	1	.....	51	.....
15	53	201	1	52	.....	.....	148	.....
16	81	220	6	81	.....	.....	133	.....
17	46	148	1	45	.....	.....	102	.....
18	75	199	.....	76	.....	.....	123	.....
19	21	132	2	19	1	.....	109	1
20	50	257	5	47	.....	.....	205	.....
21	19	125	4	15	.....	2	104	.....
22	35	83	5	32	1	.....	45	.....
23	96	210	4	95	.....	.....	111	.....
24	36	121	6	33	.....	3	79	.....
25	44	130	2	44	.....	3	81	.....
26	43	139	6	48	.....	.....	85	.....
27	53	137	10	45	1	.....	81	.....
28	39	87	3	36	.....	.....	48	.....
29	51	120	4	52	.....	.....	64	.....
30	35	114	2	37	.....	1	74	.....
31	11	116	3	10	.....	.....	102	1
32	22	82	3	19	.....	.....	59	1
33	11	150	1	10	.....	.....	139	.....
34	74	273	9	67	1	1	195	.....
35	21	87	2	20	.....	1	63	1
36	28	151	1	28	.....	.....	122	.....
37	73	134	5	68	.....	.....	59	2
38	28	101	2	29	4	.....	66	.....
39	62	166	3	64	1	.....	97	1
40	45	95	8	38	1	.....	48	.....
41	91	205	1	101	2	.....	101	4
42	17	134	8	48	1	.....	73	4
43	4	53	1	9	.....	.....	34	9
44	13	139	5	28	.....	.....	105	1
1,751	6,082	163	1,763	17	13	4,080	46	.....

III.—TABLE C.—The

Totals.	Public School					
	Total number.			Average salaries.		
	Public School teachers.	Male.	Female.	Highest salary paid.	Average salary, male teacher..	Average salary, female teacher.
				\$	\$	\$
1 Counties, etc .....	6,082	2,322	3,760	800	346	250
2 Cities .....	1,372	150	1,222	1,500	888	448
3 Towns .....	1,011	184	827	1,150	626	291
4 Grand Total, 1898 .....	8,465	2,656	5,809	1,500	396	293
5 " 1897 .....	8,376	2,690	5,686	1,500	391	294
6 Increase .....	89		123		5	
7 Decrease .....		34				1
8 Percentage .....		31	69			



## Public Schools.

teachers.

Attended a Normal School.		Certificates.							
Number of teachers who have attended a Normal School.		Total number of certificates.	Provincial 1st class.	Provincial 2nd class.	1st class old County Board.	2nd class old County Board.	3rd class.	Temporary certificates.	Other certificates.
1	1,751	6,082	163	1,763	17	13	4,080	46	.....
2	1,105	1,372	171	948	14	7	61	.....	171
3	729	1,011	98	699	13	4	192	5	.....
4	3,585	8,465	432	3,410	44	24	4,333	51	171
5	3,479	8,376	337	3,336	53	32	4,345	55	218
6	106	89	95	74	.....	.....	.....	.....	.....
7	.....	.....	.....	.....	9	8	12	4	47
8	43	.....	4	41	$\frac{1}{2}$	$\frac{1}{8}$	52	$\frac{1}{2}$	2

IV.—TABLE D.—The

Totals.	Number of Schools open.	School houses.					School visits.				
		Brick.	Stone.	Frame.	Log.	Total.	Inspectors.	Trustees.	Clergymen.	Other persons.	Total.
1 Counties, etc.....	5,199	2,064	447	2,317	371	5,199	10,931	8,531	3,745	26,404	49,611
2 Cities .....	171	148	17	6	.....	171	3,363	2,633	510	11,438	17,944
3 Towns .....	217	162	23	32	.....	217	1,912	2,782	445	5,481	10,620
4 Grand Total, 1898 .....	5,587	2,374	487	2,355	371	5,587	16,206	13,946	4,700	43,323	78,175
5       "      1897 .....	5,574	2,359	485	2,359	371	5,574	14,914	14,961	4,714	46,991	81,580
6 Increase .....	13	15	2	.....	.....	13	1,292	.....	.....	.....	.....
7 Decrease .....	.....	.....	.....	4	.....	.....	.....	1,015	14	3,668	3,405
8 Percentage .....	.....	42	9	42	7	.....	18	18	6	58	.....

## Public Schools.

Maps, globes.		Examinations, prizes.		Lectures.			Trees.	Prayers.			
Total number of maps.	Total number of globes.	Number of examinations.	No. of schools distributing prizes.	Inspectors.	Other persons.	Total.	No. of trees planted on Arbor Day.	No. of schools using authorized Scripture readings.	No. opened and closed with prayer.	No. using Bible.	No. imparting religious instruction.
1 41,879	4,123	2,558	497	998	184	1,182	12,244	3,101	5,091	2,066	771
2 9,098	257	8	24	13	8	21	.....	79	171	145	7
3 2,767	318	175	30	43	39	82	114	134	205	150	25
4 53,744	6,698	2,741	551	1,054	231	1,285	12,358	3,314	5,467	2,361	803
5 51,110	6,527	2,989	636	298	397	695	15,491	3,172	5,320	2,451	761
6 2,634	171	.....	.....	756	.....	590	.....	142	147	.....	42
7 .....	.....	248	115	.....	166	.....	3,133	.....	.....	90	.....
8 *9	*1.5	.....	10	43	57	.....	.....	59	97	42	14

\* To each school.



## V.—TABLE E—The

Counties. (Including incorporated villages, but not cities or towns.)	Receipts.			
	Legislative grants.	Municipal grants and assessments.	Clergy reserve fund, balances and other sources.	Total receipts for all Public School purposes.
	\$ c.	\$ c.	\$ c.	\$ c.
1 Brant .....	2,386 00	22,724 55	15,044 56	40,155 11
2 Bruce .....	7,925 00	73,294 58	26,327 99	107,547 57
3 Carleton .....	4,999 00	44,440 21	24,052 41	73,491 62
4 Dudas .....	3,123 00	33,845 53	12,402 73	49,376 26
5 Dufferin .....	3,324 00	29,722 87	12,384 06	45,430 93
6 Durham .....	3,645 00	38,776 50	12,214 27	54,635 77
7 Elgin .....	4,707 00	44,557 08	26,366 34	75,630 42
8 Essex .....	4,879 34	56,961 46	18,323 05	80,163 85
9 Frontenac .....	3,848 00	32,467 73	16,610 69	52,926 42
10 Glengarry .....	2,808 00	26,359 96	6,422 57	35,590 53
11 Grey .....	8,765 00	75,215 26	28,324 95	112,305 21
12 Haldimand .....	3,192 00	34,109 51	14,294 74	51,596 25
13 Haliburton and N. E. Muskoka .....	7,782 00	18,721 72	10,794 24	37,297 96
14 Halton .....	2,763 00	22,684 52	13,263 30	38,690 82
15 Hastings .....	7,354 44	44,535 24	42,934 41	94,824 09
16 Huron .....	8,773 00	75,903 15	27,653 35	112,329 50
17 Kent .....	6,084 00	58,355 34	37,090 52	101,529 86
18 Lambton .....	6,823 00	64,186 28	30,152 55	101,161 83
19 Lanark .....	4,368 00	33,497 18	13,368 26	51,233 44
20 Leeds and Grenville .....	6,987 00	69,625 96	28,661 72	105,274 68
21 Lennox and Addington .....	3,569 00	30,781 94	14,146 41	48,497 35
22 Lincoln .....	2,786 00	31,990 47	12,414 80	47,191 27
23 Middlesex .....	7,728 00	72,401 91	39,729 87	119,859 78
24 Norfolk .....	3,892 00	36,845 79	28,208 09	68,945 88
25 Northumberland .....	4,571 00	44,500 34	17,722 51	66,793 85
26 Ontario .....	5,588 00	44,075 20	22,853 39	72,516 59
27 Oxford .....	5,272 00	53,464 26	36,311 33	95,047 59
28 Peel .....	3,034 00	30,845 87	15,342 15	49,222 02
29 Perth .....	4,328 00	45,320 86	16,920 74	66,569 60
30 Peterborough .....	4,289 00	31,523 77	12,646 39	48,459 16
31 Prescott and Russell .....	4,343 00	30,305 45	15,360 64	50,009 09
32 Prince Edward .....	2,359 00	24,099 04	8,280 58	34,738 62
33 Renfrew .....	6,625 00	33,504 81	12,516 49	52,646 30
34 Simcoe and W. Muskoka .....	14,202 00	87,135 90	37,115 22	138,453 12
35 Stormont .....	2,624 00	26,186 19	5,279 70	34,089 89
36 Victoria and S. E. Muskoka .....	8,344 00	40,688 83	15,323 88	64,356 71
37 Waterloo .....	4,811 00	56,121 41	35,361 57	96,293 98
38 Welland .....	3,635 00	32,352 92	22,537 09	58,525 01
39 Wellington .....	6,406 00	57,063 51	25,344 73	88,814 24
40 Wentworth .....	3,682 00	34,283 31	35,191 99	73,157 30
41 York .....	7,307 00	75,372 08	53,603 27	136,282 35
42 District of Algoma .....	18,345 00	38,977 22	19,113 14	76,435 36
43 " Nipissing .....	2,770 00	7,074 28	3,859 81	13,704 09
44 " Parry Sound .....	10,218 00	24,882 02	9,702 92	44,802 94
Total .....	245,268 78	1,889,762 01	931,573 42	3,066,604 21
Cities.				
1 Belleville .....	1,157 00	13,143 45	713 49	15,013 94
2 Brantford .....	2,265 00	24,150 25	24,476 53	50,892 18
3 Chatham .....	1,219 00	11,640 48	1,139 57	13,999 05
4 Guelph .....	1,295 00	15,362 84	538 28	17,196 12
5 Hamilton .....	6,648 00	103,861 78	57,087 76	167,597 54
6 Kingston .....	2,272 00	25,400 00	1,231 79	28,903 79
7 London .....	4,993 00	74,061 00	11,532 27	90,586 27
8 Ottawa .....	3,981 00	117,037 00	4,137 08	125,155 08
9 St. Catharines .....	1,055 00	13,377 00	565 00	14,997 00
10 St. Thomas .....	1,578 00	14,823 01	36,805 36	53,211 37
11 Stratford .....	1,450 00	14,150 00	1,499 95	17,099 95
12 Toronto .....	23,393 00	504,800 00	17,988 83	546,181 83
13 Windsor .....	1,885 00	26,448 01	306 15	28,639 16
Total .....	53,191 00	958,259 82	158,022 46	1,169,473 28

## Public Schools.

## Expenditure.

	Teachers' salaries.		Sites and building school houses.		Maps, apparatus, prizes and libraries.		Rent and repairs, fuel and other expenses.		Total expenditure for all Public School purposes.		Balances.	
	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.
1	22,704	02	756	82	465	34	6,350	24	30,276	42	9,878	69
2	60,680	28	7,188	65	938	69	15,560	82	84,318	44	23,229	13
3	40,034	91	11,130	46	1,068	09	10,359	76	62,593	22	10,898	40
4	29,475	77	7,089	15	536	04	6,152	03	43,252	99	6,123	27
5	26,596	96	2,438	14	657	25	6,407	21	36,099	56	9,331	37
6	33,638	72	1,119	44	677	20	6,832	44	42,267	80	12,367	97
7	40,219	52	2,271	77	583	56	11,228	36	54,303	21	21,327	21
8	45,976	29	3,400	48	1,241	50	11,327	50	61,945	77	18,218	08
9	32,927	73	1,668	06	883	60	7,077	76	42,547	15	10,379	27
10	21,509	92	677	38	1,135	02	6,744	19	30,037	01	5,523	52
11	67,998	51	7,894	99	1,073	32	14,845	65	91,812	47	20,492	74
12	30,192	20	1,363	18	819	95	7,107	15	39,482	48	12,113	77
13	21,172	04	5,702	81	1,119	93	4,186	79	32,181	57	5,116	39
14	23,874	24	872	64	319	40	6,261	19	31,327	47	7,363	35
15	55,895	81	10,534	15	808	53	9,416	00	76,154	49	18,669	60
16	66,882	79	3,543	03	966	46	15,060	09	86,452	37	25,877	13
17	46,765	23	3,772	23	889	07	13,309	05	64,735	61	36,794	25
18	59,268	56	3,449	62	844	97	14,386	24	77,949	36	23,212	47
19	31,114	10	638	97	517	20	6,769	42	39,039	69	12,193	75
20	63,413	08	7,614	97	921	40	15,648	49	87,597	94	17,676	74
21	29,975	43	2,431	54	727	48	6,127	29	39,261	74	9,235	61
22	26,720	13	1,860	91	249	10	7,144	49	35,974	63	11,216	64
23	62,646	60	8,803	37	1,205	79	17,945	55	90,601	31	29,258	47
24	34,289	15	2,473	87	873	76	7,113	53	44,750	31	24,195	57
25	37,312	75	2,765	65	805	37	12,651	67	53,535	44	13,258	41
26	44,236	35	1,309	47	1,042	37	11,825	95	58,414	14	14,102	45
27	46,156	12	3,466	46	1,755	83	10,923	91	62,302	32	32,745	27
28	27,115	06	2,630	98	1,009	28	6,783	76	37,539	08	11,682	94
29	37,874	71	4,466	79	723	92	8,131	98	51,197	40	15,372	20
30	31,090	61	1,060	79	745	87	7,183	98	40,081	25	8,377	91
31	29,206	97	4,156	83	976	87	6,251	67	40,592	34	9,416	75
32	22,864	97	507	64	119	38	4,206	67	27,698	66	7,039	96
33	32,870	02	3,031	33	790	40	6,575	76	43,267	56	9,378	74
34	80,832	55	8,516	98	1,620	77	14,372	87	105,343	17	33,109	95
35	22,614	51	2,322	39	954	50	3,935	96	29,827	36	4,262	53
36	39,559	99	1,316	98	1,343	43	8,276	62	50,477	02	13,879	69
37	45,399	40	5,297	90	752	65	11,104	41	62,554	36	33,739	62
38	31,798	33	1,219	58	681	94	7,680	85	41,380	70	17,144	31
39	49,954	80	1,457	28	909	19	13,950	57	66,271	84	22,542	40
40	31,023	48	14,399	78	904	85	8,653	33	54,981	44	18,175	86
41	68,584	90	11,777	25	1,897	92	21,238	01	103,498	08	32,784	27
42	37,311	00	8,332	07	2,256	64	9,856	12	57,755	83	18,679	53
43	7,211	24	2,556	05	499	16	2,256	42	12,522	87	1,181	22
44	26,917	49	4,541	24	962	86	7,078	99	39,500	58	5,302	36
1,723,387 24			183,770 12		40,276 35		416,300 74		2,363,734 45		702,869 76	
1	10,128	00	.....	.....	1,606	55	4,057	60	14,185	60	823	34
2	18,933	06	17,393	13	28	68	12,833	34	50,766	08	126	10
3	9,996	01	.....	.....	168	07	3,677	15	13,701	84	297	21
4	12,630	56	.....	.....	6,484	34	4,166	31	16,964	94	231	18
5	78,674	90	21,454	06	1,473	72	60,925	65	167,538	95	58	59
6	23,507	80	.....	.....	359	00	3,641	22	28,622	74	281	05
7	59,101	59	9,611	05	136	13	20,603	75	89,675	39	910	88
8	49,908	35	30,731	02	166	40	26,411	87	107,187	37	17,967	71
9	10,339	67	.....	.....	14	45	4,162	26	14,668	33	328	67
10	12,932	00	35,710	80	1,183	56	3,855	96	52,613	21	698	16
11	10,856	43	647	53	882	55	4,202	01	16,889	53	210	42
12	330,321	25	87,970	56	1,220	13	108,924	49	528,098	85	18,082	98
13	19,204	49	20,120	13	167	65	7,713	56	28,305	83	333	33
646,534 11			204,738 28		12,671 10		265,175 17		1,129,118 66		40,354 62	

V.—TABLE E—The

Towns.	Receipts.			
	Legislative grants.	Municipal grants and assessments.	Clergy reserve fund, balances and other sources.	Total receipts for all Public School purposes.
	\$ c.	\$ c.	\$ c.	\$ c.
1 Alliston .....	227 00	1,600 00	475 91	2,302 91
2 Almonte .....	272 00	3,699 95	786 67	4,758 32
3 Amherstburg .....	156 00	2,482 68	97 18	2,735 86
4 Arnprior .....	286 00	2,534 99	1,504 34	4,325 33
5 Aurora .....	188 00	2,150 00	794 31	3,132 31
6 Aylmer .....	303 00	4,154 83	277 71	4,735 54
7 Barrie .....	821 00	9,402 93	194 50	10,418 43
8 Berlin .....	1,118 00	14,103 95	59 25	15,281 20
9 Blenheim .....	189 00	3,140 52	356 97	3,686 49
10 Bothwell .....	186 00	1,989 00	58 62	2,183 62
11 Bowmanville .....	360 00	5,100 00	129 95	5,589 95
12 Bracebridge .....	497 00	3,058 75	697 20	4,252 95
13 Brampton .....	513 00	4,338 00	321 99	5,172 99
14 Brockville .....	966 00	13,000 00	385 40	14,351 40
15 Carleton Place .....	581 00	5,000 00	1,962 12	7,493 12
16 Clinton .....	466 00	3,000 00	669 03	4,135 03
17 Cobourg .....	521 00	4,940 00	335 02	5,796 02
18 Collingwood .....	811 00	10,100 00	307 83	11,218 83
19 Cornwall .....	489 00	6,629 51	928 11	8,046 62
20 Deseronto .....	393 00	4,922 10	903 45	6,218 55
21 Dresden .....	216 00	3,184 00	4,119 67	7,519 67
22 Dundas .....	419 00	4,944 00	263 39	5,626 39
23 Durham .....	309 00	1,773 84	1,024 15	3,106 99
24 Essex .....	187 00	.....	2,166 45	2,353 45
25 Forest .....	343 00	2,550 00	413 12	3,306 12
26 Fort William .....	196 00	6,837 95	334 38	7,368 33
27 Galt .....	1,054 00	11,700 00	403 55	13,157 55
28 Gananoque .....	590 00	4,744 84	264 81	5,599 65
29 Goderich .....	571 00	4,659 42	275 00	5,505 42
30 Gore Bay .....	378 00	1,890 69	385 30	2,653 99
31 Gravenhurst .....	229 00	3,819 62	11 36	4,059 98
32 Harriston .....	216 00	2,471 00	206 25	2,893 25
33 Ingersoll .....	655 00	6,196 80	568 80	7,420 60
34 Kincardine .....	438 00	4,212 00	519 63	5,169 63
35 Leamington .....	330 00	3,424 33	30 03	3,784 36
36 Lindsay .....	770 00	9,223 31	685 03	10,678 34
37 Listowel .....	310 00	3,290 00	61 50	3,661 50
38 Little Current .....	167 00	752 00	767 21	1,686 21
39 Mattawa .....	312 00	842 00	250 33	1,404 33
40 Meaford .....	380 00	2,640 87	138 17	3,159 04
41 Midland .....	296 00	3,475 00	223 29	3,994 29
42 Milton .....	297 00	1,178 52	2,369 94	3,845 46
43 Mitchell .....	423 00	2,729 00	392 55	3,544 55
44 Mount Forest .....	441 00	3,319 00	251 55	4,011 55
45 Napanee .....	534 00	4,770 00	113 11	5,417 11
46 Newmarket .....	378 00	2,900 00	824 16	4,102 16
47 Niagara .....	147 00	1,537 15	212 85	1,897 00
48 Niagara Falls .....	505 00	6,600 00	97 28	7,202 28
49 North Bay .....	470 00	3,130 26	469 36	4,069 62
50 North Toronto .....	199 00	3,933 30	224 81	4,356 61
51 Oakville .....	196 00	475 00	1,689 36	2,360 36
52 Orangeville .....	607 00	4,050 00	174 94	4,831 94
53 Orillia .....	494 00	7,500 00	37 75	8,031 75
54 Oshawa .....	456 00	6,283 00	48 10	6,787 10
55 Owen Sound .....	1,047 00	10,750 13	472 28	12,269 41
56 Palmerston .....	247 00	3,062 95	70 60	3,380 55
57 Parkhill .....	145 00	2,163 00	665 85	2,973 85
58 Paris .....	343 00	4,680 56	2,151 56	7,175 12
59 Parry Sound .....	568 00	4,385 50	207 78	5,161 28
60 Pembroke .....	349 00	4,566 04	415 46	5,330 50
61 Pentanguishene .....	302 00	1,241 48	232 49	1,775 97



### Public Schools.

Expenditure.

	Teachers' salaries.	Sites and building school houses.	Maps, apparatus, prizes and libraries.	Rent and repairs, fuel and other expenses.	Total expenditure for all Public School purposes.	Balances.
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
1	1,596 82		44 45	384 94	2,026 21	276 70
2	3,614 38			1,144 14	4,758 52	
3	1,858 68	200 00	31 25	241 46	2,331 39	404 47
4	2,876 23		58 43	1,099 99	4,034 65	290 68
5	1,999 92		7 60	376 06	2,383 58	748 73
6	3,107 50	723 17	11 54	604 90	4,447 11	288 43
7	7,751 50	181 65	218 37	2,008 27	10,159 79	258 64
8	9,900 10	273 27	901 34	4,206 49	15,281 20	
9	2,655 35		30 25	706 79	3,392 39	294 10
10	1,384 66			429 12	1,813 78	369 84
11	4,685 98			856 16	5,542 14	47 81
12	2,439 39	919 87	19 25	747 04	4,125 55	127 40
13	4,018 75			1,041 90	5,060 65	112 34
14	8,819 28	600 00		4,460 85	13,880 13	471 27
15	4,370 52	58 93		1,158 39	5,587 84	1,905 28
16	3,025 00			947 10	3,974 10	160 98
17	4,342 50	471 37	41 98	940 17	5,796 02	
18	6,605 17	1,397 25	181 86	2,351 69	10,535 97	682 86
19	4,167 50		42 79	1,152 50	5,362 79	2,683 83
20	4,134 93	232 24	101 20	776 51	5,244 88	973 67
21	2,663 10			681 66	3,344 76	4,174 91
22	3,711 41		9 00	1,387 53	5,107 94	518 45
23	2,303 13	331 65	42 72	238 35	2,915 85	191 14
24	2,007 00		12 05	309 65	2,328 70	24 75
25	2,331 00			701 41	3,032 41	273 71
26	4,379 16	1,236 00	50 55	1,702 26	7,367 97	36
27	10,551 99		124 45	2,322 41	12,998 85	158 70
28	4,960 00		25 15	530 85	5,516 00	83 65
29	4,478 80		44 93	981 69	5,505 42	
30	1,316 25	174 10	76 40	357 20	1,923 95	730 04
31	2,854 94	140 07		1,057 64	4,062 65	7 33
32	2,095 00	106 32	21 80	475 99	2,699 11	194 14
33	5,423 66		57 80	1,926 46	7,407 92	12 68
34	3,402 90			804 33	4,207 23	962 40
35	2,927 75	101 50		596 14	3,625 39	158 97
36	7,992 15			2,684 73	10,676 88	1 46
37	3,059 82			601 68	3,661 50	
38	1,000 00			244 59	1,244 59	441 65
39	1,150 00		26 96	204 19	1,381 15	23 18
40	2,610 05			500 33	3,110 38	48 66
41	2,951 71			785 65	3,737 36	256 93
42	2,345 00	368 30	22 25	388 32	3,123 87	721 59
43	3,095 57			222 95	3,318 52	226 03
44	3,049 50			884 40	3,933 90	77 65
45	3,541 48			1,489 86	5,031 34	385 77
46	2,413 25		64 01	901 27	3,378 53	723 63
47	1,575 00			235 26	1,810 26	86 74
48	4,821 00		122 75	2,106 27	7,050 02	152 26
49	2,371 83	526 84	20 00	1,034 91	3,953 58	116 04
50	2,998 29	91 51	41 20	1,029 26	4,160 26	196 35
51	1,865 00	1 20		494 11	2,360 36	
52	3,931 05		95 99	804 90	4,831 94	
53	6,486 19	70 00	106 13	1,241 55	7,903 87	127 88
54	4,747 14		17 40	2,022 14	6,786 68	42
55	9,827 50			2,287 06	12,114 56	154 85
56	2,540 00			757 84	3,297 84	82 71
57	1,626 00		67 95	524 95	2,218 93	754 92
58	3,659 05	26 25		1,424 93	5,110 23	2,064 89
59	3,702 99		100 80	1,252 14	5,055 93	105 35
60	3,948 68	151 32	28 95	625 73	4,754 68	575 82
61	1,090 00			257 46	1,347 46	428 51

V.—TABLE E.—The

Towns.	Receipts.			
	Legislative grants.	Municipal grants and as- sessments.	Clergy reserve fund, balances and other sources.	Total receipts for all Public School pur- poses.
	\$ o.	\$ c.	\$ c.	\$ c.
62 Perth .....	504 00	3,957 85	275 94	4,737 79
63 Peterborough .....	1,176 00	16,700 00	1,379 05	19,255 05
64 Petrolea .....	565 00	10,000 00	2,382 21	12,947 21
65 Picton .....	564 00	4,000 00	421 65	4,985 65
66 Port Arthur .....	273 00	2,965 84	22 15	3,260 99
37 Port Hope .....	711 00	6,305 98	257 10	7,274 08
68 Prescott .....	408 00	2,643 00	315 47	3,366 47
69 Rat Portage .....	499 00	19,900 00	31,250 29	51,649 29
70 Renfrew .....	363 00	2,136 01	3,613 91	6,112 92
71 Ridgetown .....	278 00	3,185 00	142 36	3,605 36
72 Sandwich .....	168 00	2,000 00	2,015 40	4,183 40
73 Sarnia .....	845 00	9,323 80	751 33	10,920 13
74 Sault Ste. Marie .....	656 00	4,950 00	355 67	5,961 67
75 Seaforth .....	297 00	3,050 00	747 40	4,094 40
76 Simcoe .....	499 00	4,121 13	77 25	4,697 38
77 Smith's Falls .....	529 00	6,230 52	562 70	7,322 22
78 Stayner .....	158 00	1,900 00	241 92	2,299 92
79 Sturgeon Falls .....	41 00	693 44	107 37	841 81
80 St. Mary's .....	425 00	4,430 62	788 52	5,644 14
81 Strathroy .....	528 00	4,350 00	71 97	4,949 97
82 Sudbury .....	145 00	1,472 41	202 72	1,820 13
83 Thessalon .....	278 00	1,609 61	48 64	1,936 25
84 Thornbury .....	91 00	1,681 38	233 76	2,006 14
85 Thorold .....	196 00	3,055 17	32 40	3,283 57
86 Tilsonburg .....	300 00	3,509 49	88 43	3,897 92
87 Toronto Junction .....	896 00	15,118 05	621 50	16,635 55
88 Trenton .....	400 00	3,215 24	235 01	3,850 25
89 Uxbridge .....	229 00	2,805 00	33 81	3,067 81
90 Vankleekhill .....	316 00	2,050 00	898 59	3,264 59
91 Walkerton .....	447 00	4,059 95	151 89	4,658 84
92 Walkerville .....	187 00	3,000 00	348 61	3,535 61
93 Wallaceburg .....	309 00	4,797 32	102 99	5,209 31
94 Waterloo .....	399 00	5,000 00	192 78	5,591 78
95 Welland .....	376 00	3,277 35	2,591 64	6,244 99
96 Whitby .....	432 00	4,250 00	59 50	4,741 50
97 Wiarton .....	260 00	2,521 98	663 92	3,445 90
98 Wingham .....	263 00	3,460 00	268 34	3,991 34
99 Woodstock .....	1,243 00	12,400 00	6,779 01	20,422 01
Total .....	42,011 00	457,359 91	94,811 36	594,182 27
Totals.				
1 Counties, etc .....	245,268 78	1,889,762 01	931,573 42	3,066,604 21
2 Cities .....	53,191 00	958,259 82	158,022 46	1,169,473 28
3 Towns .....	42,011 00	457,359 91	94,811 36	594,182 27
4 Grand total, 1898 .....	340,470 78	3,305,381 74	1,184,407 24	4,830,259 76
5 " 1897 .....	339,863 30	3,136,943 99	1,176,023 72	4,652,831 01
6 Increase .....	607 48	168,437 75	8,383 52	177,428 75
7 Decrease .....				
8 Percentage .....	7	68	25	
Cost per pupil.				
1 Counties, etc .....	\$ 7 69			
2 Cities .....	16 61			
3 Towns .....	8 95			
4 Province .....	9 26			

## Public Schools.

## Expenditure.

	Teachers' salaries.		Sites and building school houses.		Maps, apparatus, prizes and libraries.		Rent and repairs, fuel and other expenses.		Total expenditure for all Public School purposes.		Balances.	
	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.
62	3,639	00					891	03	4,530	03	207	76
63	13,887	94					5,759	56	19,147	50	107	55
64	6,230	50	3,839	70			1,660	55	11,720	75	1,216	46
65	3,744	73			68	80	623	12	4,436	65	549	00
66	2,077	47					1,167	97	3,245	44	15	55
67	5,717	64					1,556	44	7,274	08		
68	2,720	00					605	37	3,325	37	41	10
69	7,397	90	22,047	89	535	83	20,875	47	50,857	09	792	29
70	3,047	13	2,313	33	14	68	466	20	5,841	34	271	58
71	2,780	38	3	15	103	29	542	37	3,429	19	176	17
72	1,818	50					224	14	2,042	64	2,140	76
73	7,789	70					2,039	56	9,829	26	1,090	87
74	3,773	05	351	24	214	72	1,526	89	5,865	90	95	77
75	2,611	25			29	05	656	55	3,296	85	797	55
76	4,089	00			108	85	297	92	4,495	77	201	61
77	4,680	75			59	30	2,581	92	7,321	97	25	
78	1,755	08			23	00	283	61	2,061	69	238	23
79	550	00					210	93	760	93	80	88
80	3,052	21	55	00			2,180	09	5,237	30	356	84
81	3,940	86			79	81	928	54	4,949	21		76
82	1,130	00	212	00			468	40	1,810	40	9	73
83	1,365	56			94	88	326	37	1,786	81	149	44
84	1,485	00					213	92	1,698	92	307	22
85	2,450	00					443	78	2,893	78	389	79
86	3,061	25			84	31	637	50	3,733	06	114	86
87	12,048	57	31	00	63	00	4,141	71	16,284	28	351	27
88	2,610	08			20	00	1,072	33	3,702	41	147	84
89	2,321	48					742	83	3,064	31	3	50
90	1,932	97			160	92	1,000	49	3,094	38	170	21
91	3,599	87	102	40	11	75	748	35	4,462	37	196	47
92	2,438	32			30	17	1,056	36	3,519	85	15	76
93	3,697	18	575	00	49	25	887	88	5,209	31		
94	4,212	85			131	17	1,151	10	5,495	12	96	66
95	2,624	86					981	89	3,606	75	2,638	24
96	3,820	00					912	14	4,732	14	9	36
97	2,300	00					610	13	2,910	13	535	77
98	3,152	05					839	29	3,991	34		
99	11,032	00					4,447	00	15,479	00	4,943	01
377,238 63			37,913 57		4,752 33		130,476 25		550,380 78		43,801 49	
1	1,723,387	24	183,770	12	40,276	35	416,300	74	2,363,734	45	702,869	76
2	646,534	11	204,738	28	12,671	10	265,175	17	1,129,118	66	40,354	62
3	377,238	63	37,913	57	4,752	33	130,476	25	550,380	78	43,801	49
4	2,747,159	98	426,421	97	57,699	78	811,952	16	4,043,233	89	787,025	87
5	2,717,261	09	350,456	70	54,798	27	790,985	42	3,913,501	48	739,329	53
6	29,898	89	75,965	27	2,901	51	20,966	74	129,732	41	47,696	34
7												
8	68		11		1		20					



## VI.—TABLE F.—The Roman

Counties. Including incorporated villages, but not cities or towns.)	No. of schools.	Receipts.				Expendi-		
		Legislative grants.	School rate on supporters.	Subscribed and from other sources.	Total amount received.	Teachers' salaries.	Sites and building school houses.	Maps, apparatus, prizes and libraries.
		\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
1 Bruce .....	11	474 00	4,177 34	2,182 47	6,833 81	3,570 00	1,324 92	163 85
2 Carleton .....	14	756 00	5,887 38	1,383 31	8,026 69	4,080 96	1,201 69	44 21
3 Essex .....	8	580 00	3,104 64	526 71	4,211 35	2,628 65	252 42	70 00
4 Frontenac .....	10	404 00	2,505 63	1,072 52	3,982 15	2,445 00	49 00	174 13
5 Grey .....	7	262 00	1,617 81	481 19	2,361 00	1,534 73	87 47	11 77
6 Hastings .....	7	317 00	1,844 01	635 71	2,796 72	1,636 27	324 95	12 05
7 Huron .....	6	178 00	2,082 78	586 80	2,847 58	2,003 03	78 98	19 50
8 Kent .....	5	148 00	2,097 28	574 26	2,819 54	1,785 00	4 38	.....
9 Lambton .....	2	44 00	395 38	316 86	756 24	475 00	.....	.....
10 Lanark .....	3	138 00	539 17	384 58	1,061 75	615 00	4 55	14 08
11 Leeds and Grenville ..	5	326 25	1,476 02	385 98	2,188 25	1,137 35	289 41	.....
12 Lennox and Addington	2	53 00	311 28	304 55	668 83	420 63	8 56	23 23
13 Lincoln .....	1	69 00	723 49	663 39	1,455 88	750 00	376 00	8 40
14 Middlesex .....	4	107 00	964 01	283 27	1,354 28	925 00	.....	.....
15 Norfolk .....	1	55 00	534 98	475 79	1,065 77	450 00	.....	13 71
16 Northumberland .....	7	211 00	1,882 76	405 52	2,499 28	1,450 00	282 77	.....
17 Ontario .....	1	102 00	228 40	762 81	1,093 21	625 00	2 53	10 00
18 Peel .....	1	41 00	143 88	43 43	228 31	210 00	.....	.....
19 Perth .....	4	108 10	1,155 34	233 24	1,496 68	1,085 00	.....	.....
20 Peterborough .....	1	21 00	265 48	28 41	314 89	230 00	.....	9 50
21 Prescott and Russell ..	63	3,117 50	21,234 15	7,930 64	32,282 29	17,664 56	4,789 19	599 15
22 Renfrew .....	9	527 00	2,404 48	2,195 00	5,126 48	2,153 00	1 522 15	37 88
23 Simcoe .....	3	282 00	1,238 46	176 36	1,696 82	1,135 00	254 00	4 50
24 Stormont, Dundas and Glengarry .....	12	837 00	5,405 09	2,467 91	8,710 00	4,051 50	1,945 41	20 78
25 Waterloo .....	8	353 00	4,006 78	5,328 84	9,688 62	2,950 00	4,393 95	57 25
26 Welland .....	1	21 00	506 18	346 03	873 21	539 08	.....	21 80
27 Wellington .....	8	315 00	2,847 38	939 78	4,102 16	2,425 00	361 34	9 54
28 Wentworth .....	1	63 00	135 00	89 00	287 00	200 00	4 00	.....
29 York .....	2	50 00	437 80	203 45	691 25	365 00	72 20	7 58
30 District Algoma .....	1	100 00	325 50	2,679 10	3,104 60	300 00	2,552 78	.....
31 " Nipissing .....	11	880 00	2,848 89	5,084 81	8,813 70	2,780 00	4,142 48	141 65
Total .....	219	10,939 85	73,326 77	39,171 72	123,438 34	62,619 76	24,325 13	1,474 56
Cities.								
1 Belleville .....	3	249 00	1,597 57	255 09	2,101 66	1,600 00	27 80	.....
2 Brantford .....	2	223 00	1,494 86	398 22	2,116 08	1,235 17	440 32	.....
3 Chatham .....	1	165 00	1,888 15	671 26	2,224 41	1,625 00	.....	62 37
4 Guelph .....	3	272 00	2,647 02	278 33	3,197 35	1,700 00	567 22	106 12
5 Hamilton .....	8	979 00	11,000 00	2,341 44	14,320 44	5,091 00	3,002 69	725 48
6 Kingston .....	4	468 00	3,126 00	3,500 00	7,094 00	4,075 00	.....	.....
7 London .....	6	600 00	6,060 77	100 87	6,761 64	2,600 00	2,250 00	250 00
8 Ottawa .....	20	4,127 00	33,000 00	1,905 24	39,032 24	20,665 00	912 85	460 00
9 St. Catharines .....	3	236 00	4,142 57	215 58	4,594 15	1,900 00	1,477 50	6 75
10 St. Thomas .....	1	125 00	1,199 13	70 00	1,394 13	800 00	.....	121 20
11 Stratford .....	1	231 00	2,492 75	819 24	3,542 99	1,800 00	1,193 24	60 37
12 Toronto .....	21	2,874 00	37,813 84	56,945 92	97,633 76	20,338 88	56,269 09	1,219 61
Total .....	73	10,549 00	105,962 66	67,501 19	184,012 85	62,930 05	66,140 71	3,011 90

## Catholic Separate Schools.

ture.						Pupils.		Attendance.															
All other purposes.		Total amount expended.		Balances.		Number of pupils.																	
%	c.	%	c.	%	c.		Boys.	Girls.	Average attendance.	Percentage of average to total attendance	Less than 20 days during the year.	21 to 50 days.	51 to 100 days.	101 to 150 days.	151 to 200 days.	201 days to whole year.							
1	776 21	5,834 98		998 83		875	471	404	574	66	35	75	124	179	372	90							
2	1,896 29	7,223 15		803 54		1,282	625	657	664	52	109	230	308	232	376	27							
3	931 70	3,882 77		328 58		590	294	296	361	62	25	40	131	138	196	60							
4	449 10	3,117 23		864 92		364	187	177	201	55	21	37	66	81	144	15							
5	249 30	1,883 27		477 73		293	158	135	130	44	27	60	62	68	76	...							
6	317 27	2,290 54		506 18		277	149	128	128	47	29	35	59	71	76	7							
7	477 27	2,578 78		268 80		398	224	174	222	56	14	49	92	104	129	10							
8	480 87	2,270 25		549 29		360	187	173	203	57	20	47	77	77	117	22							
9	83 03	558 03		198 21		100	59	41	50	50	8	14	25	21	32	...							
10	217 91	851 54		210 21		109	51	58	59	54	8	16	19	36	28	2							
11	329 43	1,756 19		432 06		229	108	121	127	56	12	38	46	54	52	27							
12	174 12	626 54		42 29		90	44	46	45	50	8	18	13	11	38	2							
13	148 99	1,283 39		172 49		153	81	72	89		14	19	25	40	54	1							
14	214 83	1,139 83		214 45		117	71	46	63	54	4	14	20	27	39	13							
15	98 84	562 55		503 22		98	56	42	51	52	...	17	20	33	27	1							
16	481 18	2,213 95		285 33		233	122	111	126	54	13	23	48	50	94	5							
17	309 38	946 91		146 30		100	54	46	73	73	...	5	13	15	46	21							
18	18 00	228 00		31		29	15	14	14	49	...	3	9	7	10	...							
19	169 80	1,254 80		241 88		225	121	104	107	48	19	38	46	55	55	12							
20	49 06	288 56		26 33		34	16	18	16	48	1	8	8	12	5	...							
21	3,584 45	26,637 35		5,644 94		5,439	2,805	2,634	2,906	54	429	814	1,155	1,305	1,552	184							
22	764 44	4,477 47		649 01		509	239	270	247	49	43	100	107	108	146	5							
23	149 44	1,542 94		153 88		241	139	102	141	59	16	24	42	38	101	20							
24	2,139 71	8,157 40		552 60		1,294	615	679	591	46	134	220	397	266	249	28							
25	843 72	8,244 92		1,443 70		720	384	336	403	56	42	104	140	147	253	34							
26	134 22	695 10		178 11		50	25	25	31	62	3	6	8	9	24	...							
27	583 21	3,379 09		723 07		502	262	240	288	58	22	58	103	120	184	15							
28	33 00	237 00		50 00		28	17	11	15	54	1	2	9	8	6	2							
29	130 09	574 87		116 38		106	42	64	59	56	5	19	18	25	39	...							
30	180 64	3,033 42		71 18		71	39	32	37	52	5	14	11	12	29	...							
31	1,677 93	8,742 06		71 64		587	280	307	327	56	60	104	158	138	119	8							
18,093 43		106,512 88		16,925 46		15,503	7,940	7,563	8,348	55	1,127	2,251	3,859	3,487	4,668	611							
1	439 20	2,067 00		34 66		541	321	220	254	47	16	68	201	184	72	...							
2	427 44	2,102 93		13 15		313	140	173	237	75	...	4	50	63	196	...							
3	494 55	2,181 92		42 49		337	183	154	196	58	34	66	62	145	30	...							
4	668 84	3,042 18		155 17		431	235	196	313	71	2	15	49	141	224	...							
5	4,250 50	13,069 67		1,250 77		1,683	800	883	1,142	68	23	74	310	238	1,038	...							
6	1,191 50	6,066 50		1,027 50		817	403	414	582	72	17	46	121	154	479	...							
7	1,327 14	6,427 14		334 50		769	405	364	597	78	...	30	91	197	451	...							
8	16,148 24	38,186 09		846 15		5,645	2,939	2,706	3,582	64	371	544	1,022	1,278	2,396	34							
9	1,183 77	4,568 02		26 13		368	201	167	234	63	7	27	77	67	190	...							
10	256 00	1,177 20		216 93		195	102	93	172	88	...	1	13	13	156	12							
11	435 10	2,988 71		554 28		310	177	133	245	80	4	11	44	63	188	...							
12	11,888 89	89,716 47		7,917 29		4,919	2,507	2,412	3,342	68	203	404	803	906	2,603	...							
39,511 17		171,593 83		12,419 02		16,328	8,413	7,915	10,896	67	677	1,290	2,843	3,449	8,023	46							

VI.—TABLE F.—The Roman

Towns.	No. of schools.	Receipts.				Expendi-		
		Legislative grants.	School rate on supporters.	Subscribed and from other sources.	Total amount received.	Teachers' salaries.	Sites and building school houses.	Maps, apparatus, prizes and libraries.
		\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
1 Almonte .....	1	104 00	2,204 48	463 90	2,772 38	808 10	180 28	12 19
2 Amherstburg .....	2	135 00	1,704 25	1,290 92	3,130 17	1,288 84	54 15	25 10
3 Arnprior .....	2	177 00	1,780 68	754 01	2,711 69	1,316 58	144 00	.....
4 Barrie .....	1	139 00	1,425 18	901 30	2,465 48	900 00	320 94	16 12
5 Berlin .....	1	220 00	2,168 90	7,357 81	9,746 71	1,400 00	7,301 52	14 00
6 Brockville .....	1	251 00	2,456 25	18 79	2,726 04	2,490 00	61 31	6 00
7 Cobourg .....	1	128 00	900 77	.....	1,028 77	800 00	.....	12 00
8 Cornwall .....	3	444 00	4,412 00	26 90	4,882 90	3,430 00	.....	.....
9 Dundas .....	1	122 00	865 10	76 85	1,063 95	600 00	.....	.....
10 Galt .....	1	58 00	459 54	207 36	724 90	325 00	281 47	1 42
11 Goderich .....	1	44 00	458 00	43 10	545 10	400 00	.....	.....
12 Ingersoll .....	1	76 00	682 24	10 00	768 24	575 00	11 45	6 80
13 Lindsay .....	2	214 00	2,097 38	1,993 75	4,305 13	2,025 00	.....	384 63
14 Mattawa .....	1	149 00	3,041 01	299 25	3,489 26	1,653 61	1,030 89	144 41
15 Newmarket .....	1	34 00	250 61	203 17	487 78	265 00	6 00	.....
16 Niagara Falls .....	1	116 00	947 69	154 86	1,218 55	600 00	.....	40 00
17 North Bay .....	2	90 00	650 00	964 40	1,704 40	1,019 91	263 55	.....
18 Oakville .....	1	23 00	187 47	138 93	349 40	300 00	.....	.....
19 Orillia .....	1	110 00	1,861 95	1,441 51	3,413 46	1,350 00	48 00	.....
20 Oshawa .....	1	47 00	500 00	.....	547 00	426 40	.....	4 25
21 Owen Sound .....	1	67 00	666 32	594 27	1,327 59	385 00	348 80	6 75
22 Paris .....	1	29 00	449 47	439 53	918 00	360 00	.....	12 50
23 Parkhill .....	1	30 00	302 26	100 00	432 26	401 67	.....	.....
24 Pembroke .....	1	266 00	2,875 52	140 38	3,281 90	2,516 00	312 12	.....
25 Perth .....	1	101 00	810 00	90 35	1,001 35	600 00	155 54	.....
26 Peterborough .....	3	402 00	4,037 61	1,458 89	5,898 50	3,578 25	29 10	25 00
27 Picton .....	1	31 00	602 57	271 31	904 88	400 00	.....	.....
28 Port Arthur .....	1	99 00	709 46	374 26	1,182 72	800 00	87 64	.....
29 Prescott .....	1	127 00	1,054 95	498 37	1,680 32	1,100 00	.....	.....
30 Rat Portage .....	2	81 00	1,311 90	1,073 56	2,466 46	1,000 00	1,100 00	.....
31 Renfrew .....	2	165 00	1,294 17	152 16	1,611 33	1,018 04	.....	.....
32 Sarnia .....	1	80 00	1,008 00	270 65	1,358 65	900 00	14 70	30 50
33 Sault Ste. Marie .....	1	57 00	629 99	501 06	1,188 05	670 00	75 00	58 40
34 St. Mary's .....	1	41 00	378 55	306 75	726 30	325 00	.....	10 15
35 Sturgeon Falls .....	1	94 00	647 34	67 45	808 79	529 00	139 00	.....
36 Sudbury .....	1	93 00	574 75	536 90	1,204 65	750 00	11 50	185 45
37 Thorold .....	1	77 00	841 43	66 82	985 25	700 00	45 11	20 00
38 Trenton .....	1	168 00	2,117 74	176 43	2,462 17	1,250 00	459 04	.....
39 Vankleekhill .....	1	134 00	937 57	134 17	1,205 74	800 00	.....	.....
40 Walkerton .....	1	91 00	648 30	98 05	837 35	600 00	9 25	45 00
41 Wallaceburg .....	1	48 00	882 85	211 28	1,141 63	800 00	.....	20 24
42 Waterloo .....	1	54 00	600 00	44 04	698 04	400 00	129 72	31 00
43 Whitby .....	1	34 00	246 68	49 75	330 43	265 05	.....	.....
Total .....	53	5,050 00	52,680 43	24,003 24	81,783 67	42,121 40	12,630 08	1,111 91
Totals .....								
1 Counties, etc .....	219	10,939 85	73,326 77	39,171 72	123,488 34	62,619 76	24,325 13	1,474 56
2 Cities .....	73	10,549 00	105,962 66	67,501 19	184,012 85	62,930 05	66,140 71	3,011 90
3 Towns .....	53	5,050 00	52,680 43	24,003 24	81,733 67	42,121 40	12,620 08	1,111 91
4 Grand total, 1898 .....	345	26,538 85	231,969 86	130,676 15	389,184 86	167,671 21	103,085 92	5,598 37
5 " " 1897 .....	340	26,675 25	224,617 33	84,031 39	335,323 97	168,799 52	41,233 23	5,786 54
6 Increase .....	5	.....	7,352 53	46,644 76	53,860 89	.....	61,852 69	.....
7 Decrease .....		136 40	.....	.....	.....	1,128 31	.....	188 17
8 Percentage .....	8	.....	59	33	.....	47	29	2
Cost per pupil :—								
1 Counties .....		7 16	.....	.....	.....	.....	.....	.....
2 Cities .....		10 51	.....	.....	.....	.....	.....	.....
3 Towns .....		7 25	.....	.....	.....	.....	.....	.....
4 Province .....		8 49	.....	.....	.....	.....	.....	.....



## Catholic Separate Schools.

ture.						Pupils.				Attendance.							
All other purposes.		Total amount expended.		Balances.		Number of pupils.											
\$	c.	\$	c.	\$	c.			Boys.	Girls.	Average attendance.	p. c. of average to total attendance.	Less than 20 days during the year.	21 to 50 days.	51 to 100 days.	101 to 150 days.	151 to 200 days.	201 days to whole year.
1	580 17	1,580 74		1,191 64		169	92	77	105	63		2	18	32	45	72	
2	1,598 51	2,966 60		163 57		275	123	152	189	69		4	21	40	51	159	
3	1,251 11	2,711 69				391	188	203	238	61		14	46	80	93	178	
4	760 40	1,997 46		468 02		205	99	106	143	72		7	14	21	31	132	
5	551 21	9,266 73		479 98		364	196	168	266	74		4	18	56	64	222	
6		2,557 31		168 73		387	170	217	302	79		7	10	25	88	257	
7	190 23	1,002 23		26 54		226	119	107	153	68		3	5	37	72	169	
8	1,236 55	4,666 55		216 35		975	475	500	602	62		52	134	214	172	403	
9	148 58	748 58		315 37		220	136	84	149	68		11	16	31	28	134	
10	68 78	676 67		48 23		92	55	37	69	75		2	8	6	12	63	1
11	105 76	505 76		39 34		74	35	39	64	86				1	12	60	1
12	174 99	768 24				109	48	61	78	72			4	13	31	60	1
13	365 22	2,774 85		1,530 28		383	160	223	262	69		18	17	62	83	203	
14	564 05	3,392 96		96 30		284	152	132	164	58		9	25	75	60	115	
15	65 63	336 63		151 15		72	36	36	45	63		7	8	5	17	35	
16	360 20	1,000 20		218 35		162	79	83	118	73		2	19	18	29	94	
17	261 85	1,545 31		159 09		221	113	108	152	69		3	26	39	40	113	
18	41 00	341 00		8 40		37	23	14	20	55		4	5	9	6	13	
19	591 65	1,989 65		1,423 81		222	116	106	163	73		1	13	28	46	129	5
20	91 15	521 80		25 20		78	35	43	59	76		3	5	11	13	46	
21	122 89	863 44		464 15		105	56	49	76	72		1	6	19	12	67	
22	101 66	474 16		443 84		61	28	33	43	71			2	14	12	33	
23	25 95	427 62		4 64		64	28	36	43	68		4	5	9	12	34	
24	363 08	3,191 20		90 70		593	346	247	341	58		14	34	114	148	283	
25	205 59	961 13		40 22		238	126	112	155	65		6	22	51	42	112	5
26	1,285 66	4,918 01		980 49		758	381	377	553	73		13	74	75	143	437	16
27	97 42	497 42		407 46		41	26	15	29	70		2	2	2	12	23	
28	217 98	1,105 62		77 10		156	69	87	113	72			10	31	27	88	
29	580 32	1,680 32				208	110	98	125	60		7	11	30	32	128	
30	151 35	2,251 35		215 11		290	140	150	161	56		10	40	72	63	100	
31	593 29	1,611 33				374	180	194	221	59		23	29	98	116	108	
32	222 50	1,167 70		190 95		180	88	92	115	64		1	8	33	29	101	8
33	384 65	1,188 05				157	85	72	79	50		6	17	22	30	82	
34	391 15	726 30				69	33	36	50	73				12	22	35	
35	134 79	802 79		6 00		188	89	99	95	50		11	30	61	35	51	
36	205 01	1,151 96		52 69		224	109	115	111	50		34	30	41	51	68	
37	217 32	982 43		2 82		130	51	79	88	68		9	9	9	17	86	
38	483 00	2,192 04		270 13		252	116	136	192	76		3	8	34	71	136	
39	176 46	976 46		229 28		255	120	135	137	54		14	31	66	40	95	
40	161 17	815 42		21 93		205	103	102	140	69		10	20	37	31	107	
41	221 84	1,042 08		99 55		160	83	77	80	50		9	29	42	38	42	
42	136 02	696 74		1 30		129	54	75	95	74		6	9	17	32	65	
43	35 15	300 15		30 28		53	25	28	39	74		2	1	5	41	4	
15,521 29		71,374 68		10,358 99		9,836	4,896	4,940	6,427	66		338	839	1,697	2,063	4,862	37
1	18,093 43	106,512 88		15,925 46		15,503	7,940	7,563	8,348	55		1,127	2,251	3,359	3,487	4,668	611
2	39,511 17	171,593 83		12,419 02		16,323	8,413	7,915	10,896	67		677	1,290	2,843	3,449	8,053	46
3	15,521 29	71,374 68		10,358 99		9,836	4,896	4,940	6,427	66		338	839	1,697	2,063	4,862	37
4	73,125 89	349,481 39		39,703 47		41,667	21,249	20,418	25,671	62		2,142	4,380	7,899	8,999	17,553	694
5	86,350 12	302,169 41		33,154 56		41,620	21,342	20,278	24,996	60		2,298	4,549	8,671	8,846	16,678	578
6		47,311 98		6,548 91		47		140	675	2					153	875	116
7	13,224 23					93						156	169	772			
8	22 00					5	49					5	11	19	21	42	2

VII—TABLE G.—The Roman

Counties. (including incorporated villages, but not cities or towns.)	Teachers.					Number in the					
	Number of teachers.	Male.	Female.	Average salary, male.	Average salary, female.	Reading.	Writing.	Arithmetic.	Drawing.	Geography.	Music.
1 Bruce.....	17	4	13	\$ 364	163	875	875	875	854	584	724
2 Carleton.....	20	2	18	213	204	1,282	1,282	1,282	1,090	733	393
3 Essex.....	12		12		237	590	590	590	590	352	321
4 Frontenac.....	10	1	9	245	232	364	364	364	364	299	133
5 Grey.....	7		7		220	293	293	293	293	216	33
6 Hastings.....	7		7		239	277	277	277	275	205	76
7 Huron.....	7	3	4	285	290	398	393	393	354	301	120
8 Kent.....	7	1	6	275	252	360	360	360	360	241	283
9 Lambton.....	2		2		237	100	100	100	100	71	
10 Lanark.....	3		3		225	109	109	109	94	68	91
11 Leeds and Grenville.	6		6		186	229	217	206	191	155	90
12 Lennox & Add'gton.	2		2		213	90	90	90	90	60	58
13 Lincoln.....	3	1	2	350	200	153	153	153	153	89	131
14 Middlesex.....	4	1	3	250	225	117	115	115	110	94	29
15 Norfolk.....	1		1		450	98	98	98	98	98	98
16 Northumberland....	8		8		199	233	233	233	221	188	26
17 Ontario.....	2	1	1	420	225	100	100	100	100	80	
18 Peel.....	1		1		210	29	29	29	18	18	
19 Perth.....	4	1	3	315	257	225	211	225	169	148	
20 Peterborough.....	1		1		230	34	34	34	34	28	
21 Prescott and Russell	82	14	68	262	214	5,439	5,376	5,363	3,160	2,329	1,321
22 Renfrew.....	11	1	10	250	200	509	509	494	342	297	224
23 Simcoe.....	5	1	4	375	190	241	241	241	236	232	
24 Stormont, D. & G..	20	1	19	400	218	1,294	1,294	1,294	1,048	703	529
25 Waterloo.....	13	1	12	300	221	720	720	720	720	483	505
26 Wellington.....	1		1		275	50	50	50	50	33	50
27 Wentworth.....	11	1	10	300	205	502	502	502	502	384	317
28 York.....	1		1		200	28	28	28	28	17	28
29 District Algoma....	2		2		208	106	106	106	106	29	66
30 " Nipissing ..	2		2		150	71	71	47	39	25	71
	12	2	10	300	194	587	559	536	296	157	71
Total.....	284	36	248	293	215	15,503	15,384	15,307	12,085	8,717	5,788
Cities.											
1 Belleville.....	6	1	5	600	200	541	541	541	541	286	
2 Brantford.....	5		5		220	313	313	313	313	313	
3 Chatham.....	6	1	5	500	225	337	337	337	337	337	337
4 Guelph.....	8		8		213	431	431	431	431	431	431
5 Hamilton.....	38		38		135	1,683	1,683	1,683	1,683	1,683	1,683
6 Kingston.....	15	3	12	466	223	817	817	817	817	649	540
7 London.....	16		16		163	769	769	769	769	769	769
8 Ottawa.....	86	6	80	663	229	5,645	5,645	5,645	5,051	3,586	3,531
9 St. Catharines.....	9	1	8	450	181	368	368	368	368	368	338
10 St. Thomas.....	4		4		200	195	195	195	195	195	195
11 Stratford.....	6		6		217	310	310	310	310	310	310
12 Toronto.....	91	25	66	300	200	4,919	4,919	4,919	4,919	4,919	4,818
Total.....	290	37	253	390	199	16,328	16,328	16,328	15,734	13,846	12,952

Catholic Separate Schools.

different branches of instruction.											Maps and prizes.		Arbor Day.
Grammar and Composition.	English History.	Canadian History.	Temperance and Hygiene.	Drill and Calisthenics.	Bookkeeping.	Algebra.	Geometry.	Botany.	Elementary Physics.	Agriculture.	Number of maps.	No. of schools giving prizes.	No. of trees planted on Arbor Day.
1 647	117	302	243	554	48	6	4				63	5	43
2 529	145	352	499	416	12	7	7				85	5	7
3 274	96	140	155	408	14	14	14		2		63	5	10
4 284	132	163	153	247	11	9	9				61	1	
5 155	63	118	173	137	10	10	10				48	1	17
6 212	83	147	127	200	11	11	11	1	1	1	45	4	7
7 268	106	189	165	130	15	15	15				57	2	4
8 243	95	112	118	256	25	25	25				37	2	24
9 69	39	52	50	22	10	10	10				19	1	
10 68	22	34	28	39							26		6
11 153	73	120	103	110	14	14	14	8	4		43	1	5
12 60	41	41	52	90	1	1	1				10		
13 89	73	53	89	153							19		
14 74	41	54	51	115	8	8	8	2	2		43	2	3
15 79	18	30	92	98	6	9	6		4		4	1	8
16 181	57	79	65	65	8	8	8				45	1	
17 20	35	54	54	54	10	10	10	2	10		8	1	
18 15	4	9	4								9		
19 149	56	85	70	60	5	5	5	13	13		36		2
20 23	3	3	5		1	1					7	1	5
21 2,060	223	1,495	1,564	2,041	48	2	8			65	325	35	95
22 316	137	165	200	177	40	37	33	2	15		35	3	7
23 215	36	31	43	199	12	12	12				15	1	36
24 660	212	265	96	315	23	16	16		9		84	2	2
25 493	72	257	163	648	2	1	1				73	3	22
26 43	8	26	26	50	2	2	2				9		
27 353	153	200	166	317	9	9	9				70	3	5
28 17	7	11	7		2	2	2				6	1	
29 95	4	4	4	106							8	1	
30 25		6									4		
168	42	47	70	236						28	51		6
8,097	2,193	4,644	4,635	7,243	347	244	240	28	60	94	1,408	82	316
1 181	79	181	181	541							30	1	
2 188	104	104	313	313							10	1	
3 194	62	120	120	337							10	1	
4 281	46	176	176	431							33	1	
5 1,683	329	633	1,301	1,683	71	71	71	43	22		106	1	
6 649	146	340	340	817	37	30	30	1	9		50		
7 769	124	305	769	769	124				9		189	1	
8 2,247	459	2,486	1,718	2,793	362	121	113				29		
9 368	100	174	368	368							8		
10 195	62	62	117	195							23		
11 30	73	125	125	310							372		
12 2,643	729	1,537	4,919	4,117	196	278	278	129	41				
9,708	2,313	6,243	10,447	12,674	790	500	492	173	72		888	7	



VII.—TABLE G.—The Roman

Towns.	Teachers.					Number in the					
	Number of teachers.	Male.	Female.	Average salary, male.	Average salary, female.	Reading.	Writing.	Arithmetic.	Drawing.	Geography.	Music.
1 Almonte. ....	3	1	2	\$ 425	\$ 200	169	169	199	169	120	.....
2 Amherstburg. ....	4	...	4	...	240	275	275	275	275	159	275
3 Arnprior. ....	6	1	5	500	200	391	391	391	391	391	.....
4 Barrie. ....	4	...	4	...	225	205	205	205	205	205	205
5 Berlin. ....	8	...	8	...	200	364	364	364	364	266	266
6 Brockville. ....	8	1	7	675	217	387	387	387	387	254	387
7 Cobourg. ....	4	...	4	...	200	226	226	226	226	226	226
8 Cornwall. ....	14	2	12	490	212	975	975	975	975	335	501
9 Dunlop. ....	4	...	4	...	200	220	220	220	2	200	200
10 Galt. ....	1	...	1	...	325	92	92	92	70	54	92
11 Goderich. ....	2	...	2	...	200	74	74	74	74	60	74
12 Ingersoll. ....	2	...	2	...	288	109	109	109	109	81	.....
13 Lindsay. ....	7	1	6	550	246	383	383	383	383	383	383
14 Mattawa. ....	5	1	4	650	225	384	284	284	284	284	284
15 Newmarket. ....	1	1	...	265	...	72	72	72	72	29	.....
16 Niagara Falls. ....	3	...	3	...	200	162	162	162	162	119	162
17 North Bay. ....	3	...	3	...	341	221	221	221	221	152	120
18 Oakville. ....	1	...	1	...	300	37	37	37	37	27	37
19 Orillia. ....	4	...	4	...	338	222	222	222	222	222	222
20 O-hawa. ....	2	...	2	...	200	78	78	78	78	68	78
21 Owen Sound. ....	2	...	2	...	193	105	105	105	105	87	.....
22 Paris. ....	2	...	2	...	180	61	61	61	61	61	61
23 Pa-khill. ....	1	...	1	...	340	64	64	64	64	64	64
24 Pembroke. ....	9	1	8	600	236	593	593	593	593	348	.....
25 Perth. ....	3	...	3	...	200	238	238	238	238	123	.....
26 Peterborough. ....	14	1	13	800	234	758	683	683	683	522	683
27 Picton. ....	1	1	...	400	...	41	41	41	41	20	26
28 Port Arthur. ....	3	...	3	...	300	156	156	156	156	131	156
29 Prescott. ....	4	1	3	500	200	208	208	208	208	137	208
30 Rat Portage. ....	5	...	5	...	200	290	290	290	128	218	290
31 Renfrew. ....	6	1	5	540	230	374	374	374	374	224	225
32 Sarnia. ....	4	...	4	...	225	180	180	180	180	180	140
33 Sault Ste. Marie. ....	3	...	3	...	307	157	157	157	157	86	86
34 St Marys. ....	1	...	1	...	325	69	69	69	43	43	.....
35 Sturgeon Falls. ....	2	...	2	...	275	188	188	188	188	100	.....
36 Sudbury. ....	3	...	3	...	250	224	224	224	224	157	.....
37 Thorold. ....	3	...	3	...	233	130	130	130	130	95	130
38 Trenton. ....	5	...	5	...	250	252	252	252	252	181	252
39 Vankleekhill. ....	4	...	4	...	200	255	255	255	230	180	255
40 Walkerton. ....	4	...	4	...	150	205	205	205	205	205	205
41 Wallaceburg. ....	2	1	1	500	300	160	160	160	160	104	160
42 Waterloo. ....	2	...	2	...	200	129	129	129	129	79	129
43 Whitby. ....	1	...	1	...	265	53	53	53	53	35	.....
Total. ....	170	14	156	528	331	9,836	9,761	9,761	9,526	7,015	6,582
Totals.											
1 Counties, etc. ....	284	36	248	293	215	15,503	15,384	15,307	12,085	8,717	5,788
2 Cities. ....	290	37	253	390	199	16,338	16,323	16,328	15,734	13,846	12,952
3 Towns. ....	170	14	156	528	231	9,836	9,761	9,761	9,526	7,015	6,582
4 Grand total, 1898. ....	744	87	657	372	212	41,667	41,473	41,395	37,345	29,578	25,322
5 " 1897. ....	752	94	658	368	208	41,620	39,724	40,165	36,462	27,471	25,837
6 Increase. ....	...	...	...	4	4	47	1,749	1,231	883	2,107	.....
7 Decrease. ....	8	7	1	...	...	...	...	...	...	...	515
8 Percentage. ....	...	12	88	...	...	100	99	99	90	71	61

Catholic Separate Schools.

different branches of instruction.											Maps and prizes.		Arbor Day.
Grammar and Composition.	English History.	Canadian History.	Temperance and Hygiene.	Drill and Calisthenics.	Bookkeeping.	Algebra.	Geometry.	Botany.	Elementary Physics.	Agriculture.	Number of maps.	No. of schools giving prizes.	No. of trees planted on Arbor Day.
1 120	49	72	49								9		
2 159	47	103	47	275	19	19	19				27		
3 230	64	64	64	222							8		
4 161	51	89	51	74							17		
5 151	66	151	66	364							29	1	
6 254	95	178	178	387							16		
7 226	36	50	50	226							12		
8 335	87	200	87	501							18		
9 220	35	45	35	220							20		
10 52	12	32	32	92							6		
11 49	33	33	49	74	16						9	1	
12 59	14	59	14	109							12		
13 283	114	121	119	383	33	33	33		33		20	1	
14 284	46	76	36	111	8	16	16		8		20	1	
15 29	6	14	14	72							11	1	
16 94	34	68	94	162							18		
17 152	59	92	16								14		
18 27	14	19	27	37							6	1	
19 156	110	110	158	222							9		
20 68	19	31	31	78							4	1	
21 87	34	44	44								7		
22 61	26	26	26	61							10		
23 32	13	13	26	64							9		
24 348	107	191	107								15	1	
25 123	53	99	123								7		
26 484	142	243	344	399							52		
27 20	13	20	13								7		
28 131	58	58	37	156							16		
29 157	35	96	96	206							14		20
30 128	68	68	28	62	20	2		2			10		
31 328	143	166	62	173	9	21	21	2	12		26		
32 134	49	29	67	102		4					17		
33 26	7	7									8	1	
34 33	22	33	22								10		
35 152		28	28	100									
36 157	12	42	12	157	4	3	3				6		
37 180	36	59	59	130							7		
38 181	39	78	252								15		
39 111	28	53	28	242							13		
40 205	40	77	205	205							21	1	
41 67	42	67	42	67	20	20	20				14	1	
42 44	22	44	22	129							12	1	
43 35	22	22	22								11		
6,333	2,002	3 170	2,882	5,462	129	118	112	4	53	....	592	12	20
1 8,097	2,193	4,644	4 635	7,243	347	244	240	28	60	94	1,408	82	316
2 9,708	2,313	6,243	10,447	12,674	790	500	492	173	72	....	888	7	....
3 6,333	2,002	3,170	2,882	5,862	129	118	112	4	53	....	592	12	20
4 24,138	6,508	14,057	17 964	25,779	1,266	862	844	205	185	94	2,888	101	336
5 26,071	6,828	13,134	18,127	29,148	1,298	793	785	154	283	35	2,817	108	342
6		923				69	59	51		59	11		
7 1,933	320		163	3,369	32				98			7	6
8 58	16	34	43	62	3	2	2	1			7		1

## VIII.—TABLE H.—

Collegiate Institutes.	Receipts.					
	Legislative grants.	Municipal grants (County).	Municipal grants (local).	Fees.	Balances and other sources.	Total receipts.
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
1 Aylmer .....	954 08	1,327 58	1,450 00	849 00	311 50	4,892 16
2 Barrie .....	1,053 22	1,032 22	1,900 00	1,599 50	1,484 24	7,069 18
3 Brantford .....	1,259 04	.....	9 000 00	2,276 42	324 92	12,860 38
4 Brockville .....	1,147 47	1,277 00	6,800 00	.....	1,634 80	10,419 27
5 Chatham .....	1,232 28	1,258 90	5,025 00	986 25	944 78	9,467 21
6 Clinton .....	957 24	1,486 56	1,500 00	1,007 25	1,282 94	6,233 99
7 Cobourg .....	944 37	914 31	2,000 00	1,039 00	6,965 10	11,912 81
8 Collingwood .....	978 98	978 98	2,200 00	1,077 00	433 65	5,668 61
9 Galt .....	1,192 45	1,192 45	2,700 00	1,974 50	1,613 50	8,672 90
10 Goderich .....	1,045 41	1,466 82	2,500 00	1,074 00	1,520 01	7,606 24
11 Guelph .....	1,134 63	.....	5,882 00	765 50	514 77	7,796 90
12 Hamilton .....	1,355 65	.....	24,834 88	5,496 75	3,431 66	35,178 94
13 Ingersoll .....	968 86	915 86	3,041 91	710 75	346 88	5,984 26
14 Kingston .....	1,246 97	.....	6,500 00	3,923 50	433 94	12,104 41
15 Lindsay .....	1,239 66	2,587 62	2,834 36	1,634 25	591 23	8,887 12
16 London .....	1,384 67	2,400 00	24,654 79	1,005 00	9,770 55	39,215 01
17 Morrisburg .....	1,090 48	2,521 15	2,199 84	1,003 50	1,955 93	8,770 90
18 Napanee .....	1,121 08	2,000 00	2,610 00	191 25	940 68	6,863 01
19 Niagara Falls .....	1,034 04	1,237 25	3,700 00	.....	773 17	6,744 46
20 Ottawa .....	1,291 88	.....	9,787 50	7,072 50	3,242 39	21,394 27
21 Owen Sound .....	1,204 38	2,496 04	4,800 00	2,358 00	135 97	10,991 39
22 Perth .....	968 93	3,448 00	1,097 86	402 00	221 76	6,188 55
23 Peterborough .....	1,242 75	.....	7,300 00	2,111 75	90 00	10,804 50
24 Ridgetown .....	960 24	1,903 30	2,500 00	1,069 00	44 85	6,477 39
25 Sarnia .....	1,072 24	1,962 68	4,774 00	124 00	418 18	8,351 10
26 Seaforth .....	967 59	1,741 03	1,800 00	1,349 60	1,196 07	7,054 29
27 Stratford .....	1,172 33	1,300 00	5,500 00	1,627 00	658 32	10,257 65
28 Strathroy .....	1,070 85	1,971 90	2,200 00	1,202 00	195 18	6,639 93
29 St. Catharines .....	1,164 80	1,766 21	5,006 71	314 00	274 14	8,525 86
30 St. Marys .....	952 34	799 20	2,700 00	1,204 00	163 66	5,819 20
31 St. Thomas .....	1,303 22	1,422 19	5,271 99	1,056 93	226 00	9,280 35
32 Toronto (Harbord) .....	1,328 42	.....	13,754 00	7,612 11	.....	22,694 53
33 " (Jameson) .....	1,311 74	.....	13,754 00	4,590 11	1,641 97	21,297 82
34 " (Jarvis) .....	1,303 62	.....	13,754 00	5,334 12	2,780 76	23,172 50
35 Whitby .....	899 53	899 53	2,375 94	395 00	767 77	5,337 77
36 Wind-or .....	1,116 58	1,123 59	5,701 99	.....	317 29	8,294 45
37 Woodstock .....	1,231 57	2,136 46	2,800 00	2,072 25	1,396 04	9,636 32
1 Total, 1898 .....	41,923 59	45,596 86	215,210 77	66,587 81	49,164 60	418,483 63
2 " 1897 .....	44,597 16	43,518 83	201,519 03	70,572 35	34,483 24	394,690 61
3 Increase .....	.....	2,078 03	13,691 74	.....	14,681 36	23,793 02
4 Decrease .....	2,673 57	.....	.....	3,984 54	.....	.....
5 Percentage .....	10	11	51	16	12	.....

Cost per



## The Collegiate Institutes.

Expenditure.												Charges per year.		
Teachers' salaries		Building, rent and repairs.		Maps, apparatus, prizes and libraries.		Fuel, books and contingencies.		Total expenditure.		Balances.				
	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.		
1	3,780	00	23	65	43	09	1,045	42	4,892	16			\$10; \$5, Form I.	
2	5,606	58	73	30	16	50	987	83	6,634	21	434	97	\$10.	
3	8,592	93	1,221	84	221	29	2,824	32	12,860	38			Res. \$10; non-res. \$16.	
4	6,485	30	660	75	56	80	1,307	74	8,510	59	1,908	68	Res. free; Co. pupils, \$2.50.	
5	7,490	00	376	66	207	87	1,167	31	9,241	84	225	37	Res. \$6; non-res. \$10.	
6	4,471	34	278	12	63	21	548	79	5,361	46	872	53	\$6, \$8, \$10; Forms I, II, III & IV.	
7	4,834	05	198	12	48	65	6,648	73	11,729	55	183	26	Res. \$12; non-res. \$14; Co. \$7.50.	
8	4,061	53	26	32	2	00	1,363	84	5,458	69	209	92	Town, \$7.50; Co. \$10; outs. \$15.	
9	7,000	00	99	49			1,564	16	8,663	65	9	25	Co. \$10; all others, \$14.	
10	5,400	00	79	81	17	25	773	37	6,270	43	1,335	81	I, II, III and IV	
11	5,900	00			67	70	1,481	74	7,449	44	347	46	Res. .... \$5 \$7 \$10	
12	17,432	00	2,409	52			15,337	42	35,178	94			Co. .... 6 8 10	
13	4,621	66	381	12	176	26	744	14	5,923	18	61	08	Non-res. .... 8 10 12	
14	10,296	83	175	45	379	78	1,252	35	12,104	41			Res. free; others, \$20.	
15	7,172	15	164	33	126	68	1,412	77	8,875	93	11	19	Res. F. I. \$2.50; non-res. \$20;	
16	22,801	60	10,585	13	253	72	5,574	66	39,215	01			others, \$10.	
17	4,921	34	1,090	84	207	34	211	21	6,430	73	2,340	17	\$7.50.	
18	5,155	00	54	23	83	15	948	48	6,240	86	622	15	Res. \$10; non-res. \$20.	
19	5,015	00	412	95	5	50	1,057	26	6,490	73	253	73	Res. \$10; non-res. \$20.	
20	15,161	00			207	94	3,051	22	18,424	16	2,970	11	Res. free; Co. \$1 per mo.; F. III,	
21	8,860	00	54	86	123	11	1,495	95	10,533	92	460	47	IV, \$1 per mo.; others, \$3	
22	4,722	77	88	51	174	45	817	69	5,803	42	335	13	per mo.	
23	7,685	50	1,100	00	106	00	1,830	98	10,722	48	82	02	\$6.	
24	4,489	60	411	14			1,186	32	6,087	06	390	33	Res. free; non-res. \$10.	
25	6,076	86	561	48			709	36	7,347	70	1,003	40	Co. \$5.	
26	4,907	11	130	75	37	03	747	67	5,822	56	1,231	73	\$5, \$10, \$25.	
27	7,350	00	520	45	103	32	2,203	72	10,177	49	80	16	Res. \$6; non-res. \$10; Co. \$10.	
28	5,350	00	103	97			1,175	31	6,629	28	10	65	Free.	
29	6,898	87					1,626	45	8,525	32	54		F. I, II, res. \$20; non-res. \$30; F.	
30	4,829	60	29	09			742	30	5,600	99	218	21	III, IV, res. \$25; non-res. \$35;	
31	7,314	85	573	57			1,391	93	9,280	35			F. III, IV, res. 25; non-res. \$35.	
32	17,157	00	514	67	114	00	3,858	77	21,644	44	1,050	09	F. I, free; F. II, \$8, \$10; III, IV,	
33	13,717	81	3,791	82	263	09	3,525	10	21,297	82			\$10, \$18.	
34	16,228	00	2,774	76	319	32	3,850	42	23,172	50			Res. free; non-res. \$16; Co. \$5.	
35	4,426	66	135	84			715	33	5,277	83	59	94	\$5, \$10, \$25.	
36	6,185	00	344	48	348	06	1,381	91	8,259	45			Res. \$6; non-res. \$10; Co. \$10.	
37	6,830	00	174	83	55	90	1,058	64	8,119	37	1,516	95	Free.	
1	289,231	94	29,621	85	3,829	01	77,575	53	400,258	33	18,225	30	Town \$5; Co. \$10; out. Cos. \$15.	
2	288,769	73	18,377	53	3,870	82	65,813	81	376,831	89	17,858	72	Co. \$10; city, F. I, free; II, III,	
3	462	21	11,244	32			11,761	72	23,426	44	366	58	IV, \$10.	
4					41	81							\$16; \$23; \$32.	
5	72		7		1		20						\$16; \$23; \$32.	
													Town, \$6; Co. \$7.50; out. \$10.	
													Free.	
													Res. \$7.50; non-res. \$10.	
1	289,231	94	29,621	85	3,829	01	77,575	53	400,258	33	18,225	30	9 Free.	
2	288,769	73	18,377	53	3,870	82	65,813	81	376,831	89	17,858	72	28 Fee.	
3	462	21	11,244	32			11,761	72	23,426	44	366	58	10 Free.	
4					41	81							27 Fee.	
5	72		7		1		20							

VIII.—TABLE H.—The

High Schools.	Receipts.					
	Legislative grants.	Municipal grants (county).	Municipal grants (local).	Fees.	Balances and other sources.	Total receipts.
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
1 Alexandria .....	565 06	565 06	1,155 00	.....	3,551 67	5,839 79
2 Almonte .....	638 63	638 63	2,361 20	281 50	397 51	4,317 47
3 Arnprior .....	595 10	717 10	689 39	29 00	1,173 38	3,203 97
4 Arthur .....	492 52	536 37	150 00	892 15	633 10	2,704 14
5 Athens .....	696 53	1,681 05	1,600 00	155 25	1,087 42	5,220 25
6 Aurora .....	616 33	700 00	750 00	637 00	104 92	2,818 25
7 Beamsville .....	464 61	464 61	125 00	68 00	190 38	1,712 60
8 Belleville .....	873 86	731 50	3,949 06	217 34	.....	5,771 76
9 Berlin .....	824 21	1,874 92	1,500 00	902 75	546 82	5,648 70
10 Bowmanville .....	779 30	1,072 38	2,255 00	666 20	952 77	5,715 65
11 Bradford .....	603 54	603 54	400 00	569 00	666 57	2,842 65
12 Brampton .....	830 12	1,700 12	1,400 00	1,391 00	26 80	5,408 04
13 Brighon .....	454 66	454 66	800 00	102 50	506 04	2,317 86
14 Caledonia .....	588 45	1,475 48	600 00	560 00	664 42	3,888 75
15 Campbellford .....	676 26	676 26	1,651 57	639 50	368 91	4,012 50
16 Carleton Place .....	662 61	662 61	2,300 00	280 00	1,891 23	5,796 45
17 Cayuga .....	535 26	1,349 03	500 00	277 50	197 98	2,859 77
18 Colborne .....	447 54	446 99	900 00	212 50	1,554 26	3,561 29
19 Cornwall .....	766 08	1,647 65	3,166 74	164 00	2,396 47	8,140 94
20 Deseronto .....	629 88	629 88	2,100 00	121 75	249 04	3,730 55
21 Dundas .....	621 94	800 00	630 10	705 00	721 75	3,478 79
22 Dunnville .....	628 75	1,775 40	700 00	374 75	631 45	4,110 35
23 Dutton .....	538 36	762 92	500 00	585 00	1,169 51	3,555 79
24 Elora .....	536 98	735 98	850 00	498 25	5 00	2,626 21
25 Essex .....	727 07	1,903 85	1,400 00	24 89	68 27	4,124 08
26 Ferguson .....	568 89	906 74	4,400 00	72 00	2,709 10	8,666 73
27 Forest .....	595 40	1,865 17	800 00	201 00	317 80	3,279 37
28 Gananoque .....	652 97	852 97	1,905 16	56 00	.....	3,467 10
29 Georgetown .....	692 40	781 98	1,258 91	949 50	.....	3,652 79
30 Glenora .....	664 44	1,022 17	900 00	746 50	89 17	3,422 28
31 Gravenhurst .....	965 78	.....	769 61	418 69	75 70	2,229 78
32 Grimsby .....	423 59	505 53	626 00	41 00	68 00	1,644 12
33 Hagersville .....	626 41	1,682 16	1,214 99	368 25	14 65	3,906 46
34 Harrieton .....	673 43	768 61	1,000 00	1,017 25	633 20	4,092 49
35 Hawke-bury .....	552 35	1,052 35	1,100 00	38 00	76 13	2,818 83
36 Iroquois .....	746 96	1,357 15	1,452 00	612 00	877 30	5,045 41
37 Kemptville .....	675 88	875 88	1,566 84	883 00	.....	4,001 40
38 Kincardine .....	787 27	1,487 27	1,280 00	760 00	511 54	4,826 08
39 Leamington .....	654 21	1,379 20	1,825 00	12 65	280 06	4,151 12
40 Listowel .....	644 86	800 00	800 00	973 00	29 41	3,247 27
41 Lucan .....	591 19	1,072 37	300 00	751 00	290 13	3,004 69
42 Madoc .....	502 63	823 61	700 00	491 00	567 70	3,084 94
43 Markham .....	635 97	1,076 76	4 00	1,375 50	579 50	4,127 73
44 Meaford .....	748 07	1,176 54	850 00	833 50	373 64	3,981 75
45 Mitchell .....	617 70	800 00	1,100 00	519 00	1,349 95	4,577 65
46 Mount Forest .....	746 06	696 06	1,400 00	634 25	1,059 43	4,535 80
47 Newburgh .....	531 20	1,650 00	630 81	106 00	75 21	2,993 22
48 Newcastle .....	460 21	.....	460 21	137 50	1,000 00	2,057 92
49 Newmarket .....	650 20	700 00	1,100 00	625 50	813 43	3,889 13
50 Niagara .....	435 78	435 78	550 00	.....	81 30	1,502 86
51 Niagara Falls, S .....	591 52	591 45	2,310 42	68 00	115 57	3,676 96
52 Norwood .....	613 88	269 65	1,284 62	619 50	1,062 98	3,850 63
53 Oakville .....	479 04	1,069 95	225 00	384 50	833 07	2,991 56
54 Omemee .....	433 66	433 66	508 09	246 50	111 66	1,733 57
55 Orangeville .....	764 37	1,050 00	1,436 00	1,515 10	450 97	5,216 44
56 Orillia .....	843 65	843 65	2,500 00	866 25	6,290 50	11,344 06

## High Schools.

Expenditure.												Charges per year.		
Teachers' salaries.		Building, rent and repairs.		Maps, apparatus, prizes and libraries.		Fuel, books and contingencies.		Total expenditure.		Balances.				
	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.	\$	c.		
1	2,609	36	70	46	16	30	2,610	60	5,306	72	533	07	Free.	
2	3,164	42	600	00	37	53	250	05	4,052	00	265	47	Res. \$1; non-res. \$11; Co. \$6.	
3	2,176	06	2	8	93	59	00	477	19	2,941	18	262	79	Res. & Co. free; non-res. \$10.
4	2,119	66	71	51	132	40	379	78	2,703	35	79		\$1 per mo.	
5	3,330	00	187	63	11	85	1,445	86	4,975	34	244	91	Res. free; non-res. \$10; Co. \$2.50.	
6	2,123	47	92	83	73	02	420	00	2,709	32	98	93	\$10.	
7	1,373	33	50	60			270	78	1,694	71	17	89	Free.	
8	4,966	79	203	00	36	90	565	07	5,771	76			\$10.	
9	4,119	00	84	92	97	53	818	18	5,119	63	529	07	Res. & Co. \$10; non-res. \$15.	
10	3,600	00	318	60	47	25	772	03	4,737	88	977	77	F. I, \$4; F. II, \$6; F. III, IV, \$7.10.	
11	2,335	50	2	80	28	00	369	11	2,735	41	107	24	F. I free to res.; others, \$10.	
12	4,520	00	62	30	24	07	725	08	5,331	45	76	59	\$10.	
13	1,599	96	50	76	17	61	363	26	2,031	59	286	27	75c. per mo.	
14	2,240	62	123	59	3	57	488	52	2,856	30	1,032	45	\$4.50.	
15	3,065	58	129	29	29	08	788	55	4,012	50			Dist. \$6; Co. \$7.50; non-res. \$10.	
16	3,150	00	47	64	86	00	478	22	3,761	86	2,034	59	Res. free; non-res. \$10; Co. \$5.	
17	2,350	00	124	86			358	56	2,833	42	26	35	\$4.50.	
18	1,525	00	120	39	77	56	234	21	1,957	16	1,604	13	75c. per mo.	
19	4,649	92	182	14			958	84	5,790	90	2,350	04	Free.	
20	2,450	00	215	47	2	50	802	28	3,470	25	260	30	Res. free; non-res. & Co. \$10.	
21	2,690	00	112	29	27	70	584	57	3,324	56	154	23	F. I free; town, \$9.50; Co. \$10.	
22	2,649	73	800	35			660	27	4,110	35			Town, \$4.50; Co. \$4.50; out. Co. \$15.	
23	1,865	00	83	69			383	01	2,331	70	1,224	09	\$10.	
24	2,200	00	16	60	21	00	360	55	2,598	15	28	06	Res. \$5; non-res. & out. Co. \$10.	
25	3,135	57	104	81			259	42	3,499	80	624	28	Free.	
26	2,925	00	5,257	99			393	98	8,276	97	379	76	Res. free; non-res. \$10.	
27	1,750	03	135	38	27	00	543	98	2,456	39	822	98	Town \$1 per mo.	
28	2,400	00	415	79			621	31	3,467	10			\$2.50.	
29	2,875	00	289	73	52	31	4	5 75	3,652	79			F. I, \$7; others, \$10.	
30	2,715	00	104	02			600	95	3,419	97	2	31	Res. free; non-res. \$20; Co. \$10.	
31	1,572	41	104	42			533	84	2,210	67	19	11	\$10.	
32	1,300	00	36	72			175	42	1,512	14	151	98	Res. free, except to non-res. out of Co.	
33	2,400	00	7	50	9	30	513	61	2,930	41	976	05	\$1.50.	
34	3,350	00	26	61			706	89	4,083	50	8	99	Res. & Co. \$10; other Cos. \$15.	
35	2,100	00	200	00			396	21	2,696	21	122	62	Free.	
36	3,195	13	90	00	94	73	742	22	4,122	08	923	33	\$6.	
37	3,151	50	125	14	22	50	702	26	4,001	40			Res. free; non-res. \$15; Co. \$2.50.	
38	4,000	00	66	36	57	74	623	16	4,747	26	78	82	Dist. \$8; Co. \$10.	
39	3,000	00	20	40	23	52	396	66	3,440	58	710	54	Co. free; other Cos. \$10.	
40	2,300	00			44	25	903	02	3,247	27			Co. \$10; outsiders, \$12.	
41	2,190	00	33	75	43	46	489	53	2,756	74	247	95	\$10.	
42	1,816	60	362	05			401	12	2,579	77	505	17	Res. \$7; others, \$10.	
43	3,300	00	110	21	140	23	459	23	4,009	67	118	06	\$'0.	
44	2,998	31	113	11			737	99	3,849	41	132	34	\$10; \$8.	
45	2,650	00	60	20	36	49	1,828	08	4,574	77	2	88	Res. \$1; non-res. \$10.	
46	2,449	80	102	05			1,784	75	4,336	60	199	20	\$10; F. I free to res.	
47	2,125	18	163	82	70	43	508	14	2,867	57	125	65	Free.	
48	1,325	00	359	17	99	00	335	71	2,018	91	39	01	Res. free; outside \$7.50.	
49	2,432	22	40	00	219	58	968	52	3,660	32	228	81	\$10.	
50	1,250	00	14	08	11	25	172	23	1,447	56	55	30	Free.	
51	2,200	00	72	20			450	35	2,722	55	954	41	Free.	
52	2,150	00	650	90			590	00	3,390	90	459	73	Res. & Co. \$6; non-res. \$15.	
53	1,800	00	46	09	34	68	352	50	2,233	27	758	29	\$5; \$8.	
54	1,400	00	36	03	107	74	189	80	1,733	57			Dist. 50c. per mo.; out. \$1.	
55	4,074	60	166	24	154	51	478	13	4,873	48	342	96	Dist. \$9; Co. & out. \$10.	
56	4,249	18	532	39			6,429	41	11,210	98	133	07	Res. \$5; non-res. \$10.	



VIII.—TABLE H.—The

High Schools.	Receipts.					
	Legislative grants.	Municipal grants (county).	Municipal grants (local).	Fees.	Balances and other sources.	Total receipts.
	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
57 Oshawa .....	721 34	1,161 93	1,817 00	695 90	745 97	5,142 14
58 Paris .....	621 84	655 66	2,100 00	174 00	604 18	4,155 68
59 Parkhill .....	549 86	556 65	700 00	455 50	897 23	3,159 24
60 Pembroke .....	676 91	747 95	2,538 61	.....	208 83	4,172 30
61 Petrolea .....	735 43	1,211 76	2,600 00	153 00	2,199 96	6,900 15
62 Picton .....	803 48	2,073 10	2,500 00	.....	879 29	6,260 87
63 Port Arthur .....	1,106 09	.....	1,215 68	36 00	1,373 02	3,730 79
64 " Dover .....	440 09	512 63	861 21	46 00	.....	1,859 98
65 " Elgin .....	590 26	815 26	800 00	527 75	435 51	3,168 78
66 " Hope .....	810 87	1,530 04	1,678 79	1,171 00	163 11	5,353 81
67 " Perry .....	681 43	1,231 68	1,417 00	500 50	165 64	3,996 25
68 " Rowan .....	414 04	627 13	450 64	31 00	.....	1,522 81
69 Prescott .....	612 95	400 00	1,804 00	31 50	118 56	2,967 01
70 Renfrew .....	664 39	1,064 39	1,474 01	189 60	369 83	3,762 22
71 Richmond Hill .....	468 28	700 00	1,032 71	625 50	1,462 13	4,288 62
72 Simcoe .....	774 27	2,388 18	1,012 77	10 00	135 00	4,320 22
73 Smith's Falls .....	673 73	673 73	1,891 78	212 00	95 00	3,546 24
74 Smithville .....	453 81	464 24	715 00	.....	597 52	2,230 57
75 Stirling .....	474 41	471 41	900 00	123 00	439 45	2,408 27
76 Streetsville .....	434 46	896 34	200 00	267 50	523 77	2,322 07
77 Sydenham .....	563 02	1,600 00	.....	478 50	297 47	2,938 99
78 Thorold .....	579 68	578 60	1,850 00	33 00	170 09	3,211 37
79 Tilsonburg .....	631 46	619 46	1,600 00	213 54	.....	3,064 46
80 Toronto Junction .....	902 47	835 58	3,419 63	1,777 50	190 56	7,125 74
81 Trenton .....	608 56	416 70	1,880 43	170 55	496 64	3,572 88
82 Uxbridge .....	670 54	831 61	1,210 00	453 50	254 01	3,369 66
83 Vankleekhill .....	624 02	1,724 02	1,200 00	268 00	565 81	4,381 85
84 Vienna .....	441 30	441 30	600 00	.....	431 43	1,914 03
85 Walkerton .....	790 47	1,590 47	1,210 00	821 00	669 17	5,081 11
86 Wardsville .....	426 41	426 41	504 50	206 25	530 43	2,094 00
87 Waterdown .....	492 07	892 07	450 00	165 00	116 89	2,116 03
88 Waterford .....	601 63	1,413 30	700 00	68 00	469 03	3,251 96
89 Watford .....	664 61	1,764 92	300 00	404 00	1,904 61	5,038 14
90 Welland .....	632 96	1,572 75	1,650 00	98 00	164 45	4,118 16
91 Weston .....	468 83	778 56	300 00	394 00	307 38	2,248 77
92 Wiarton .....	572 31	1,277 31	1,000 00	350 50	62 47	3,262 59
93 Williamstown .....	522 51	522 51	1,830 00	80 00	1,527 42	4,482 44
1 Total, 1898 .....	58,279 41	87,660 35	116,870 28	37,897 86	60,259 03	360,966 93
2 " 1897 .....	56,652 84	89,209 75	117,167 04	40,287 04	69,479 79	372,796 46
3 Increase .....	1,626 57	.....	.....	.....	.....	.....
4 Decrease .....	.....	1,549 40	296 76	2,389 18	9,220 76	11,829 53
5 Percentage .....	17	24	32	10	17	.....

Cost per

## High Schools.

Expenditure.						Charges per year.
Teachers' salaries	Building, rent and repairs	Maps, apparatus, prizes and libraries.	Fuel, books and contingencies.	Total expenditure.	Balances.	
\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	
57 4,049 61	816 93		250 08	5,116 62	25 52	\$7.50.
58 2,893 45	278 20	44 60	635 44	3,851 69	303 99	Dist. free; others, \$1 per mo.
59 1,930 00	188 68	10 49	428 46	2,557 63	601 61	F. I, II, \$6; III, IV, \$8; Co. \$10.
60 3 379 00	154 49	88 80	343 19	3,965 48	206 82	Free.
61 4,000 00	45 43	23 41	555 48	4,624 32	2,275 83	Free.
62 4,300 00	267 42	134 17	1,559 28	6,260 87		Free Co. & town; non-res. \$1 per mo.
63 2,082 35			353 71	2,436 06	1,294 73	Free.
64 1,580 79	30 84	48 71	199 64	1,859 98		Free.
65 2,550 00	228 32	39 83	347 55	3,165 70	3 08	Res. \$6.50; res. F. I \$3.50; non-res. & Co. \$10.
66 4,260 00		20 25	1,073 56	5,353 81		Town, \$9; Co. \$7.50.
67 3,350 00	225 55		420 70	3,996 25		Res. & Co. \$7.50; non-res. \$10.
68 1,250 00	168 96	32 00	71 85	1,522 81		Free.
69 2,208 32	22 86	11 00	706 12	2,948 30	18 71	Res. free; non-res. \$2.50.
70 3,028 98	445 92		287 32	3,762 22		Free.
71 1,607 49	2,155 07	251 45	118 11	4,132 12	156 50	\$10.
72 3,770 00	146 49	45 54	358 19	4,320 22		Res. free; non-res. \$1 per mo.
73 3,000 00	64 29	47 60	434 35	3,546 24		Res. free; non-res. \$10; Co. \$5.
74 1,380 00	32 99	36 82	185 85	1,635 66	594 91	Free.
75 1,650 00	62 25		446 97	2,159 22	249 05	Res. free; Co. \$10.
76 1,400 00	200 57	58 10	447 61	2,106 28	215 79	\$5.
77 2,300 00	310 00	7 84	321 15	2,938 99		Res. free; Co. \$6; out. Co. \$12.
78 1,910 00	471 04	22 80	381 56	2,785 40	425 97	Free.
79 2,499 40	60 00	23 39	481 67	3,064 46		\$6.
80 4,716 23	395 12	118 32	954 56	6,184 23	941 51	\$10; \$15.
81 2,425 15	137 80	26 88	710 32	3,300 15	272 73	Res. free; out. Co. \$5 per term.
82 2,700 00	52 41	54 26	557 77	3,364 44	5 22	Res. \$5; non-res. \$7.50.
83 2,675 00	885 45	17 67	611 60	4,189 72	192 13	Res. free; non-res. \$10.
84 1,264 07	16 31	12 95	293 95	1,587 28	326 75	Free.
85 4,105 00	180 00		256 11	4,541 11	540 00	\$10.
86 1,341 67	9 90	15 71	716 15	2,083 43	10 57	Res. \$3; non-res. & Co. \$10.
87 1,950 00			166 03	2,116 03		50c. per mo.
88 2,200 00	215 81		407 65	2,823 46	428 50	Free.
89 2,720 50	27 64	33 59	911 56	3,693 29	1,344 85	\$10.
90 3,000 00	190 22	98 43	461 50	3,750 15	368 01	Res. free; non-res. \$1 per mo.
91 1,750 00	182 65	60 84	236 40	2,229 89	18 88	\$10.
92 2,193 99	116 75	56 48	815 41	3,182 63	79 96	Res. \$5; others, \$10.
93 2,270 00			2,136 44	4,406 44	76 00	Free.
1 242,654 93	22,644 17	3,519 52	59,932 06	328,750 68	32,216 25	42 free. 51 fee.
2 244,067 00	28,249 41	5,703 65	61,124 45	339,144 51	33,651 95	33 free. 60 fee.
3						9 free.
4 1,412 07	5,605 24	2,184 13	1,192 39	10,393 83	1,435 70	9 fee.
5 73	7	1	19			

pupil, \$28.56.

IX.—TABLE I.—The

Collegiate Institutes.	Pupils.				Number of pupils.			
	Boys.	Girls.	Total.	Average attendance.	Reading.	English Grammar and Rhetoric.	English Composition.	Poetical Literature.
1 Aylmer .....	70	73	143	91	90	90	143	143
2 Barrie.....	147	114	261	148	191	191	257	259
3 Brantford.....	173	163	336	194	273	262	329	329
4 Brockville.....	151	180	331	205	254	254	331	331
5 Chatham.....	170	179	349	202	349	272	349	349
6 Clinton.....	119	94	213	126	197	146	210	211
7 Cobourg.....	77	79	156	90	122	122	156	156
8 Collingwood.....	94	101	195	107	151	163	195	195
9 Galt.....	123	133	256	153	194	199	252	250
10 Goderich.....	99	116	215	142	158	170	210	210
11 Guelph.....	119	144	263	173	176	176	263	263
12 Hamilton.....	336	434	770	489	388	507	767	767
13 Ingersoll.....	82	73	155	90	122	122	151	151
14 Kingston.....	214	293	507	320	298	487	495	495
15 Lindsay.....	153	112	265	154	209	201	265	265
16 London.....	524	503	1,027	625	773	672	991	991
17 Morrisburg.....	114	107	221	144	146	150	221	221
18 Napanee.....	95	125	220	152	171	171	220	220
19 Niagara Falls.....	118	125	243	128	180	180	243	243
20 Ottawa.....	218	176	424	255	323	323	424	424
21 Owen Sound.....	189	196	385	226	210	223	385	385
22 Perth.....	87	130	217	136	187	187	215	215
23 Peterborough.....	140	136	276	196	210	196	228	228
24 Ridgetown.....	108	101	209	125	162	162	209	209
25 Sarnia.....	117	142	259	136	201	208	259	259
26 Seaforth.....	99	105	204	117	147	147	200	200
27 Stratford.....	147	145	292	174	227	227	292	290
28 Strathroy.....	92	115	207	139	190	152	202	202
29 St. Catharines.....	144	174	318	169	187	318	318	318
30 St. Marys.....	97	104	201	127	131	238	201	206
31 St. Thomas.....	189	190	379	240	291	191	379	379
32 Toronto (Harbord).....	252	259	511	327	287	344	511	511
33 " (Jameson).....	188	186	374	230	285	285	368	368
34 " (Jarvis).....	227	213	440	235	292	292	440	440
35 Whitby.....	100	67	167	101	124	124	167	167
36 Wind-or.....	156	138	294	177	264	224	291	291
37 Woodstock.....	164	164	328	190	190	190	190	320
1 Total 1898.....	5,722	5,889	11,611	7,033	8,350	8,606	11,327	11,466
2 " 1897.....	5,996	6,212	12,208	7,487	9,031	9,610	12,107	12,697
3 Increase.....								
4 Decrease.....	274	323	597	454	681	1,004	780	641
5 Percentage.....	49	51			72	74	97	98
6 Percentage of average to total attendance.....	60							



## Collegiate Institutes.

in the different branches of instruction.

	Supplementary Reading in English Literature.	Canadian History.	English History.	Ancient History.	Geography.	Arithmetic and Mensuration.	Algebra.	Geometry.	Trigonometry.	Physics.	Chemistry.	Botany.
1	143	52	50	50	93	90	138	91	12	71	50	101
2	261	191	200	70	68	191	259	230	12	148	46	128
3	3-9	262	280	77	170	273	329	320	16	145	69	185
4	331	254	283	79	160	254	331	171	31	146	62	188
5	349	272	292	77	272	272	349	225	15	127	41	157
6	116	147	210	78	210	197	211	211	14	105	60	119
7	156	122	122	34	104	122	156	112	8	30	26	104
8	195	195	195	65	96	163	195	148	7	101	76	105
9	250	196	250	66	149	199	250	250	19	57	45	75
10	210	182	182	69	208	172	208	118	16	110	52	115
11	263	176	176	87	114	176	263	149	29	89	54	116
12	760	423	518	347	350	512	763	541	115	363	224	326
13	151	122	137	42	100	122	152	66	17	53	34	112
14	495	189	259	96	147	421	495	205	6	106	85	109
15	265	179	221	91	109	221	221	154	12	192	85	85
16	991	773	983	243	450	773	993	538	65	325	210	571
17	221	150	175	60	87	150	221	221	25	145	40	123
18	220	169	184	49	119	171	220	220	18	72	36	129
19	243	180	202	63	109	180	243	130	22	93	46	143
20	424	128	225	101	235	323	424	296	30	170	78	125
21	345	223	257	175	111	223	385	274	40	234	150	231
22	215	186	196	34	130	187	216	120	13	104	37	123
23	228	196	204	70	193	209	228	240	8	96	42	157
24	209	162	188	69	96	164	209	135	26	107	50	94
25	250	212	219	48	180	208	227	108	7	83	35	190
26	147	147	85	56	87	147	190	193	8	94	60	155
27	299	267	267	94	198	227	227	192	26	138	56	121
28	202	152	177	71	200	152	204	147	22	35	55	95
29	318	187	279	63	187	253	316	122	26	84	49	199
30	201	138	155	41	103	131	201	160	29	110	23	106
31	379	291	379	58	227	291	379	229	30	112	56	135
32	511	364	364	207	158	364	511	492	67	232	146	184
33	368	138	316	84	142	285	362	352	26	184	76	192
34	440	440	440	148	109	292	440	440	40	238	115	95
35	167	124	124	30	83	124	167	125	10	56	26	109
36	260	254	290	44	249	249	290	130	12	125	30	200
37	320	190	320	110	190	190	320	206	30	86	87	103
1	11,263	8,033	9,434	3,246	5,973	8,669	11,323	8,041	906	4,766	2,517	5,605

IX.—TABLE 1.—The

High Schools.	Pupils.				Number of pupils			
	Boys.	Girls.	Total.	Average attendance.	Reading.	English Grammar and Rhetoric.	English Composition.	Poetical Literature.
1 Alexandria .....	53	70	123	82	123	106	123	123
2 Almonte .....	84	59	143	88	129	129	143	143
3 Arnprior .....	51	71	122	68	122	109	122	122
4 Arthur .....	60	58	118	77	88	88	118	118
5 Athens .....	88	100	188	114	135	137	188	188
6 Aurora .....	54	41	95	58	95	69	95	95
7 Beamsville .....	42	31	73	39	62	62	73	73
8 Belleville .....	114	168	282	140	282	219	282	282
9 Berlin .....	95	59	154	76	130	138	154	154
10 Bowmanville .....	79	73	152	87	113	113	152	152
11 Bradford .....	53	60	113	65	95	96	113	113
12 Brampton .....	94	96	190	122	121	134	190	190
13 Brighton .....	37	29	66	46	53	53	66	66
14 Caledonia .....	69	72	141	90	110	110	139	139
15 Campbellford .....	75	56	131	81	83	87	131	131
16 Carleton place .....	81	99	180	106	157	157	180	180
17 Cayuga .....	53	36	89	55	63	63	88	88
18 Colborne .....	44	31	75	45	51	51	75	75
19 Corawall .....	94	106	200	125	200	180	200	200
20 Deseronto .....	45	74	119	71	94	94	119	119
21 Dundas .....	65	67	132	74	114	114	132	132
22 Dunnville .....	59	71	130	77	97	97	125	123
23 Dutton .....	38	53	91	56	21	64	91	91
24 Elora .....	57	42	99	58	77	77	97	97
25 Essex .....	48	58	106	67	71	71	106	106
26 Fergus .....	68	81	149	96	149	95	149	149
27 Forest .....	42	52	94	55	60	61	91	91
28 Gananoque .....	50	89	139	83	115	115	139	139
29 Georgetown .....	65	54	119	72	87	87	119	119
30 Glencoe .....	59	46	105	67	78	78	105	105
31 Gravenhurst .....	31	29	60	28	51	51	60	60
32 Grimsby .....	26	47	73	40	66	66	73	73
33 Hagersville .....	51	49	100	64	73	73	100	100
34 Hariston .....	83	61	144	85	64	121	144	144
35 Hawkesbury .....	33	31	64	44	54	58	64	64
36 Iroquois .....	66	75	141	87	100	100	140	140
37 Kemptville .....	102	89	191	116	113	120	191	191
38 Kincardine .....	64	63	127	75	83	83	127	127
39 Leamington .....	71	56	127	75	102	102	127	127
40 Listowel .....	88	59	147	84	147	147	147	147
41 Lucan .....	77	35	112	68	79	79	112	112
42 Madoc .....	46	38	84	52	59	59	84	84
43 Markham .....	111	92	203	130	117	127	203	203
44 Meaford .....	77	75	152	90	113	113	152	152
45 Mitchell .....	56	50	106	70	89	89	106	106
46 Mount Forest .....	89	65	154	93	108	108	154	154
47 Newburgh .....	71	66	137	80	137	117	137	137
48 Newcastle .....	24	19	43	27	29	32	43	43
49 Newmarket .....	52	42	94	58	69	69	94	94
50 Niagara .....	22	28	50	28	44	44	50	50
51 Niagara Falls South .....	59	64	123	65	110	111	123	123
52 Norwood .....	67	58	125	75	85	85	124	124
53 Oakville .....	23	44	67	45	50	55	67	65

## High Schools.

in the different branches of instruction.

Supplementary Reading in English Literature.	Canadian History.	English History.	Ancient History.	Geography.	Arithmetic and Mensuration.	Algebra.	Geometry.	Trigonometry.	Physics.	Chemistry.	Botany.
1 123	106	106	35	46	106	123	123	.....	49	25	46
2 143	129	135	17	102	134	142	58	9	34	20	88
3 122	109	109	15	109	109	122	122	4	53	10	76
4 118	52	46	26	52	92	118	66	6	61	20	72
5 188	137	137	70	48	137	188	140	.....	107	53	100
6 95	69	73	26	69	69	95	59	4	54	26	69
7 .....	62	62	14	42	62	73	73	.....	34	14	46
8 282	219	238	63	135	219	282	147	9	96	57	148
9 154	60	154	31	98	143	154	94	4	68	30	63
10 152	113	128	39	63	113	152	64	13	64	30	65
11 113	96	96	19	71	96	113	75	.....	68	21	72
12 119	134	152	51	80	134	190	157	18	69	53	80
13 66	53	53	13	35	53	66	31	1	14	13	36
14 .....	110	110	41	71	110	139	139	.....	93	42	106
15 128	83	131	48	47	87	122	90	18	52	35	60
16 180	157	157	44	90	136	180	90	3	40	40	50
17 88	63	69	25	28	63	85	85	6	63	18	36
18 51	27	51	24	24	51	75	51	.....	29	24	25
19 72	180	180	38	200	184	200	170	2	80	40	85
20 67	104	110	25	71	104	119	70	6	61	20	74
21 132	114	114	18	40	114	132	50	1	40	23	114
22 121	92	96	28	69	111	108	70	4	65	22	53
23 91	64	64	27	21	64	91	70	4	67	27	34
24 97	38	83	30	29	80	96	55	6	44	33	47
25 106	71	106	35	32	71	106	74	12	62	31	44
26 149	95	104	54	149	95	149	101	9	101	45	60
27 91	61	61	31	26	61	91	90	.....	44	30	26
28 139	115	115	31	78	115	139	139	.....	56	30	71
29 119	87	98	52	40	87	119	119	13	80	42	33
30 105	51	67	37	51	79	98	64	12	46	20	56
31 60	51	54	9	45	51	60	27	3	18	6	33
32 73	60	66	7	29	66	73	44	.....	37	7	29
33 100	73	73	44	45	73	100	70	1	49	42	53
34 144	64	144	80	62	144	144	120	14	116	117	36
35 64	54	54	10	26	54	64	38	.....	28	10	26
36 140	100	55	40	52	100	140	87	8	44	34	57
37 178	120	140	78	62	120	191	154	20	116	65	71
38 127	83	103	46	53	88	123	91	16	58	21	53
39 127	102	102	25	73	102	127	52	5	38	23	46
40 147	147	147	50	147	121	147	147	.....	57	47	87
41 112	79	79	33	41	80	112	71	2	56	19	70
42 84	61	61	25	28	84	84	84	.....	52	25	50
43 203	127	146	86	52	127	203	151	19	143	72	113
44 152	113	133	73	49	113	152	137	20	92	49	80
45 100	89	89	32	64	89	106	106	6	41	35	60
46 154	108	115	46	93	108	154	154	7	88	46	100
47 137	117	117	20	70	117	137	137	.....	53	18	70
48 43	32	32	14	22	33	43	43	1	34	16	21
49 94	69	69	34	37	69	92	71	.....	52	31	37
50 50	44	50	6	31	44	50	19	.....	13	6	30
51 123	110	110	19	123	111	123	106	.....	95	17	115
52 124	85	85	38	124	85	124	70	.....	35	38	33
53 65	26	26	24	35	52	65	62	.....	58	22	55







IX.—TABLE I.—The

	Number of pupils in the different branches of										
Collegiate Institutes.	Zoology.	Latin.	Greek.	French.	German.	Writing.	Book-keeping and Commercial Transactions.	Stenography	Drawing.	Vocal Music	Drill.
1 Aylmer .....	9	134	1	48	42	62	62		62		64
2 Barrie .....		185	7	166	24	43	116	71	116		141
3 Brantford .....	8	243	22	243	123	166	184	73	168		168
4 Brockville .....	1	291	11	308	107	160	160		160		
5 Chatham .....	3	297	58	214	51	120	156	15	156		329
6 Clinton .....	8	193	12	133	41	30	91	39	91		113
7 Cobourg .....		145	10	140	20	44	104		104		77
8 Collingwood .....	2	165	19	113	19	96	96	14	96		175
9 Galt .....	1	151	13	99	93	72	145	54	144		103
10 God-rich .....	1	139	10	98	18	75	112	25	112		82
11 Guelph .....	4	195	9	216	167	114	114	59	114		224
12 Hamilton .....	20	673	59	549	388	279	294	110	296		665
13 Ingersoll .....	6	99		99	50	105	100	33	100		81
14 Kingston .....	2	399	17	371	170	207	184	89	107		
15 Lindsay .....	1	225	21	147	53	79	109	19	109		150
16 London .....	31	796	43	461	99	551	501	198	450		978
17 Morrisburg .....	4	212	18	170	40	103	103	81	107	30	202
18 Napanee .....	3	196	8	182	38	83	119	56	119		207
19 Niagara Falls .....	6	175	30	150	58	109	142	65	128		221
20 Ottawa .....	4	314	56	298	113	128	212	111	212		248
21 Owen Sound .....	30	323	20	104	92	111	115	52	111		210
22 Perth .....	2	188	30	135	29	96	126		130		20
23 Peterborough .....	3	107	3	172	52	32	193	28	193		140
24 Ridgetown .....	6	189	12	94	24	98	98	24	100		200
25 Sarnia .....		180	30	166	38	59	180		180		104
26 Seaforth .....	4	181	20	132	32	87	147		147		99
27 Stratford .....	2	262	36	100	69	100	100	35	100		145
28 Strathroy .....	15	180	8	75	38	110	80	40	80		80
29 St. Catharines .....	12	302	25	186	135	187	187		187		129
30 St. Mary's .....	3	196	23	153	48	26	103		103		83
31 St. Thomas .....	3	246	25	217	76	81	227	150	227		189
32 Toronto (Harbord) .....	9	404	60	490	269	74	177	77	196		230
33 " (Jameson) .....	12	342	28	328	140	125	178	68	182		158
34 " (Jarvis) .....	5	415	27	343	179	109	159	40	158		209
35 Whitby .....		150	7	120	20	83	83	40	83		160
36 Windsor .....		254	13	211	63	90	200		210		151
37 Woodstock .....	9	249	44	111	63	195	195	49	190		328
1 Total, 1898 .....	229	9,395	835	7,332	3,081	4,284	5,652	1,715	5,528	30	6,863
2 " 1897 .....	361	8,954	871	7,453	2,869	5,204	5,652	1,206	6,144	30	8,313
Increase .....		441			212			509			
4 Decrease .....	132		36	121		920			616		1,450
5 Percentage .....	2	80	7	63	26	36	48	15	47	4	59



## Collegiate Institutes.

Instruction.			Examinations, etc.											
Calisthenics.		Gymnastics.	How many pupils obtained Commercial Diplomas in 1898?	No. passed Primary Examination	No. passed Junior Leaving Examination.	No. passed Senior Leaving Examination.	No. passed Departmental Matriculation Examination.	No. passed the Junior Matriculation Examination at any University.	No. passed the Senior Matriculation Examination at any University.	No. 1st Class Matriculation Honors.	No. 2nd Class Matriculation Honors.	No. passed Matriculation Examination, Law Society, 1898.	No. passed Matriculation Examination, Medical Council, 1898.	No. passed the Preliminary Examination for a Student in Surveying, 1898.
1	131	66		6	11	2	5	5		1	7		1	
2	108	141		23	6	3	2							
3	148	168	1	7	8	4	6	1		5	10			
4				18	8	6	3		2	2	2			
5				18	22	2	18	18		15	1			
6	83	113		6	17	1	17			2	2			
7	79	77		10	5	2	5							
8				10	7	2	2	2			1			
9	118	103		16	15	4	12	1		1	2			
10	82	93		10	5		3							
11	224	106		13	14	4	19	19			4			
12	665	665		2	16	25	23	4	1	4	16		20	3
13	73	82		5	8		2			1	3			
14				4	10	3	11	9						
15	107	150	36	13	15	1	10		1	2				
16	978	978		47	41	53	36	2		17	6			
17	202	102		17	11	3	7	12		1			1	
18	205	205		13	4	1	2				2			
19	221	221	5	1	1	3	2	1		3	4	1		
20	146	248		10	2	4	7	10		3	10	1	1	
21	210			37	32	6	16	1	1	7	7	1	2	
22	203	80		15	13	1	1							
23	270	140		20			3			7	8			
24	200	108		11	17	1	6	6		2	3		4	
25	133	104		8	6									
26	105	99				5	1				2		1	
27	142			15	16	3	5			2	1			
28	110	80		17	15		1	2		1	3			
29	163	129		2	9	3	10	8	3	14	7	1	2	
30	97	83		17	14	4	17	2	1	4	5		1	
31	190	189		26	23	3	4			3	3			
32	242	230	2	3	16	2	27	8		12	21			
33	160	158		5	10	3	7	2		7	8			
34	194	403		3	18		15	16		8	9	4	10	4
35	160	160		8	6	1	3	4			7			
36	133	140		9	7	3	7	1			2			
37	328	164		25	22	5	8			2	14			
1	6,610	5,785	39	469	450	165	340	139	9	123	175	8	43	7
2	7,162	5,939	9	560	865	333	270	128	8	151	178	9	35	7
3			30				70	11	1				8	
4	552	154		91	415	168				28	3	1		
5	57	49	$\frac{1}{4}$	4	4	$1\frac{1}{2}$	3	$1\frac{1}{4}$		1	$1\frac{1}{2}$		$\frac{1}{2}$	

## IX.—TABLE I.—The

Number of pupils in the different branches of

## High Schools.

	Zoology.	Latin.	Greek.	French.	German.	Writing.	Bookkeeping and Commercial Transactions.	Stenography.	Drawing.	Vocal Music.	Drill.
1 Alexandria .....		123	22	123	21	46	46		46		53
2 Aimonte .....		119	16	82	33	59	94		101		
3 Arnprior .....		100	7	61	15	76	76		76		
4 Arthur .....		66		14	7	52	52	31	52		118
5 Athens .....		174	26	97	22	71	70		70		
6 Aurora .....		85	3	85	10	69	69		69		95
7 Beamsville .....		70	1	59	7	42	42		42		
8 Belleville .....	3	253	2	230	141	135	135		135		114
9 Berlin .....		114	6	54	137	43	79	21	98		70
10 Bowmanville .....	3	128	6	84	55	63	63		63		30
11 Bradford .....		67		63	13	71	71	40	71		53
12 Brampton .....	2	182	18	150	71	69	80		80		
13 Brighton .....		62		30	6	35	35		35		
14 Caledonia .....		139	5	15	4	71	71		71		
15 Campbellford .....	7	110		85	30	67	67		67		
16 Carleton Place .....		170	20	130	34	46	90		90		
17 Cayuga .....		85	5	55	4	35	35		35		53
18 Colborne .....		62		30	45	24	24		24		
19 Cornwall .....		184	10	164	112	85	85		85		
20 Deseronto .....		105	1	57	24	71	45		71		101
21 Dundas .....		125	4	120	10	114	114		114		65
22 Dunnville .....		67	7	57	48	69	69	8	53		54
23 Dutton .....		81		31	17	21	21		21		38
24 Elora .....		79		68	42	29	49	19	46		
25 Essex .....	2	96	4	43	27	32	34		34		98
26 Fergus .....		149	55	10	20	48	48		48		
27 Forest .....		90	2	35	30	26	26		26		
28 Gananoque .....		119	1	81	76	78	75		78		139
29 Georgetown .....		106	4	91	25	35	33		38		62
30 Glencoe .....	3	86	8	60	24	51	51		51		40
31 Gravenhurst .....		13		14	7	33	37		33		
32 Grimsby .....		66	1	40	39	29	29		29		
33 Hazardsville .....		91	2	62	36	45	45		45		51
34 Harriston .....	5	140	6	121	19	36	34		36		
35 Hawkesbury .....		63		38	10	26	26		26		64
36 Iroquois .....		133	1	86	78	71	71	15	71		
37 Kemptville .....	2	178	10	151	45	62	62		62		
38 Kiucardine .....		115	26	114	51	53	53		53		106
39 Leamington .....	1	100	1	67	42	73	70		70		
40 Li towel .....		142	3	98	74	65	65		65		85
41 Lucan .....	1	110		38	7	38	37		37		
42 Madoc .....		60		20		28	28		28		
43 Markham .....	3	193	11	175	26	52	52		106		
44 Meaford .....		135	3	62	25	49	49	40	49		140
45 Mitchell .....		54	1	31	48	64	64		64		51
46 Mount Forest .....		118	1	76	15	93	93		93		84
47 Newburgh .....		80	2	53	30	70	70		70		
48 Newcastle .....		43		30	15	22			22		
49 Newmarket .....		78	4	64	40	37	39		37		90
50 Niagara .....		25		16	2	31	31		31		
51 Niagara Falls South .....		85	2	40	45	70	70		70		50
52 Norwood .....		125		47	5	70	70		54		30

High Schools.

Instruction.		Examinations, etc.											
Calisthenics	Gymnastics.	How many pupils obtained Commercial Diplomas in 1898?	No. passed Primary Examination.	No passed Junior Leaving Examination.	No. passed Senior Leaving Examination.	No. passed Departmental Matriculation Examination.	No. passed the Junior Matriculation at any University.	No. passed the Senior Matriculation at any University.	No. 1st Class Matriculation Honors.	No. 2nd Class Matriculation Honors.	No. passed Matriculation Examination, Law Society, 1898.	No. passed Matriculation Examination, Medical Council, 1898.	No passed the Preliminary Examination for a Student in Surveying, 1898.
1 70			18	11		5							
2			3	8	1	2							
3			5	1									
4 118			11	6									
5			25	21		11	3						
6 41			4	5		1	2			3			
7			4	3									
8			6	7	2	3							
9 54			4	3					1				
10			7	5	2	2	1		1		2		
11			1	5		6					6		
12			15	10	2	6	1				6		
13			8	2		1	1						
14			10	6	1	3	1				1		
15			7	8	2	5							
16			5	6			2						
17			2	3		1							
18			8	6		2							
19			12	5		3							
20 101						1				2	4		
21 67			1	7		2							
22 20			4	5	1	1							
23			3	6									
24			12										
25 98	48		6			2			2		4		
26			2	8	2	1	4						
27			5	4		3							
28 139			12	2		4	3						
29 47			5		1	1					1		
30 105			12	4	1	2			1	2	2		
31			3	2		1							
32			3	1		1	1						
33			6	8		5							
34			16	5	4	9							
35 10	64		2										
36			13	5	1								
37			22	12	2	7	1						9
38 106			8	5					1				
39			14	7		4							
40 56	85		8	4		1							
41			6	11									
42			12	6		4				2	2		
43			18	12	2	4							1
44 140	77	27	9	2		7	8		1			1	
45 49	51		10	7	2	1							3
46 76			7	11		4							1
47			9	2		1							
48 17				5		5							
49 90	52			11		7	6						
50			2										
51 32		14		2		1							
52 20		18	10	10		2	1						



IX.—TABLE I.—The

		Number of pupils in the different branches of										
High Schools.		Zoology.	Latin.	Greek.	French.	German.	Writing.	Bookkeeping and Commercial Transactions.	Stenography.	Drawing.	Vocal Music.	Drill.
3	Oakville		50	4	9		35	35		35		
54	Omeme		55	2	53	14	20	20		20		27
55	Orangeville	5	197	14	94	49	38	38		38		
56	Orillia	3	184	10	103	68	92	92		92		218
57	Oshawa		148	22	70	78	65	116		115		
58	Paris		95		49	15	56	56		56		
59	Parkhill		85	5	20	8	35	35		35		
60	Pembroke		157	5	99	57	73	104	19	104		
61	Petrollea		154	64	90	25	82	82	82	82		74
62	Picton	4	199	5	208	112	194	194	20	194		
63	Port Arthur		90	1	53	48	45	45		45		
64	" Dover		65	4	19	8	48	49		49		
65	" Elgin		109	3	109	60	57	57		57		60
66	" Hope		189	12	151	146	92	92	85	92		
67	" Perry		125	12	64	48	58	50	25	58		67
68	" Rowan		30		23	13	14	14		14		
69	Prescott		64	1	49	22	39	39		39		
70	Renfrew		170	41	179	21	95	95		61		89
71	Richmond Hill		95	31	99	2	43	43		43		53
72	Simcoe		150	15	90	30	79	79		79		39
73	Smith's Falls	1	134	3	105	91	94	94		94		
74	Smithville		80	1	16	6	43	43		43		
75	Stirling	3	54	5			16	16		16		
76	Streetsville		68	1	36	7	40	40		40		
77	Sydenham		105		63	34	38	42		42		
78	Thorold		89	6	80	36	43	43		43		77
79	Til- onburg		54		36	12	53	53	12	53		
80	Toronto Junction	3	219	11	152	74	125	125		134		
81	Trenton		124		77	46	51	49		51		
82	Uxbridge		97	2	87	43	23	57		57		57
83	Vankleekhill		166	4	140	43	72	89		89		
84	Vienna		30	2	22	2	7	7		7		18
85	Walkerton		156	10	83	78	55	90		92		54
86	Wardsville		51	3	34	32	17	17		17		25
87	Waterdown		49		12	1	34	34		2		
88	Waterford		50		32	14	37	37		37		
89	Watford		123		18	5	44	44		44		57
90	Welland		130	12	119	31	23	65		66		
91	Weston		56		8	2	43	43	1	43		33
92	Warton		74	3	28	13	45	45		45		
93	Williamstown		55		48	44	55	55		55		
1	Total, 1898	53	9,918	621	6,534	3,207	5,067	5,374	418	5,419		2,882
2	" 1897	74	8,919	550	6,308	2,300	5,498	5,995	454	6,108	130	3,520
3	Increase		999	71	226	907						
4	Decrease	21					431	621	36	689	130	638
5	Percentage	$\frac{1}{2}$	85	5	56	28	43	46	4	46		25

## High Schools.

Instruction.		Examinations, etc.											
Calisthenics.	Gymnastics.	How many pupils obtained Commercial Diplomas in 1898?	No. passed Primary Examination.	No. passed Junior Leaving Examination.	No. passed Senior Leaving Examination.	No. passed Departmental Matriculation Examination.	No. passed the Junior Matriculation at any University.	No. passed the Senior Matriculation at any University.	No. 1st Class Matriculation Honors.	No. 2nd Class Matriculation Honors.	No. passed Matriculation Examination, Law Society, 1898.	No. passed Matriculation Examination, Medical Council, 1898.	No. passed the Preliminary Examination for a Student in Surveying 1898.
53			6	7		1							
54	28		5	3			1						
55			16	11	1	6	3	3					
56	218	218	6	26	4	4		1	2	4		1	
57			1	6		7							
58			3	3		2							
59	50		10	3		1							1
60			6	4		4		9	2	1			
61			19	7		2		2					
62			13	9	2	10		1					
63			4	1		2	1						
64			2	2		1							
65	48		14	14		15							
66			4	14	1	11			2	5			
67	32	130	13	8		3		1	3	1		2	
68			2										
69			6	6		3				1			
70			4	4	1	8	2		1				
71	46		6	5		4							1
72	40		8	10	3	6	1				2		
73			13	5	1	5							
74			7	1									
75			7	4	1								
76			2	1		8							
77			14	6		8	1		1	1			
78	77		5	2		1							
79													
80			14	14		5						1	
81			7	2		3							
82	55		7	8	1								
83			15	14		14		2					
84	12	18											
85	58		25	15	3	3							
86	26		1	2									
87			3	1									
88			3	3						2			
89	80		16	14			1						
90			8	2	1	3	1						
91	63		3	3		1	1						
92			9	3		4	4						
93			4	2			1						
1	2,269	793	59	699	553	45	265	73	11	24	43		4
2	2,989	804	221	792	859	99	197	41	8	22	34	4	5
3							68	32	3	2	9		
4	720	11	162	93	306	54						1	1
5	19	7	1	6	5	1	2	1					

X.—TABLE K.—The

		Miscellaneous													
Collegiate Institutes.		Brick, stone or frame school house.	Size of playground.	Schools under United Board.	Value of library.	Value of scientific apparatus.	Value of charts, maps and globes.	Gymnasium.	Value of gymnasium and appliances.	Museum.	Estimated value of museum.	Schools using authorized Scripture readings.	Schools opened and closed with prayer.	Schools using Bible.	Religious instruction imparted.
		acres.			\$	\$	\$								
1	Aylmer	B	4 $\frac{1}{4}$		609	713	125	1	766	1	300			1	
2	Barrie	B	3		612	640	118	1	1,820					1	
3	Brantford	B	3 $\frac{1}{2}$		602	675	108	1	1,129					1	
4	Brockville	B	2		710	942	179		299					1	
5	Chatham	B	2		650	650	167	1	744	1	50	1		1	
6	Clinton	B	3 $\frac{1}{2}$		626	779	150	1	831	1	10	1	1	1	
7	Cobourg	B	1		611	599	110	1	888			1		1	
8	Collingwood	B	1 $\frac{1}{2}$		602	641	76	1	156			1		1	
9	Galt	S	8 $\frac{1}{2}$		1,017	822	175	1	1,804	1	27	1	1	1	
10	Goderich	B	4		637	658	72	1	2,700			1		1	
11	Guelph	S	4	1	890	758	145	1	2,832	1	50			1	
12	Hamilton	B	1 $\frac{1}{2}$	1	964	1,479	188	1	640	1	50	1		1	
13	Ingersoll	B	2	1	550	623	122	1	952			1		1	
14	Kingston	B	2	1	991	806	81			1	100	1		1	
15	Lindsay	B	2	1	1,038	889	133	1	726					1	
16	London	B	3	1	1,010	2,504	169	1	1,093	1	700	1		1	
17	Morrisburg	B	1	1	611	1,186	130	1	1,168	1	75	1		1	
18	Napanee	B	3 $\frac{1}{2}$	1	836	825	112	1	1,036	1	25	1		1	
19	Niagara Falls	B	5 $\frac{1}{2}$		702	617	87	1	1,119					1	
20	Ottawa	S	1 $\frac{1}{2}$		959	1,492	210	1	2,224	1	100	1		1	
21	Owen Sound	B	3	1	1,276	1,601	114		91	1	50			1	
22	Perth	B	5	1	714	716	155	1	827	1	500	1		1	
23	Peterborough	B	2	1	687	866	149	1	760					1	
24	Ridgetown	B	1 $\frac{1}{2}$		615	968	138	1	996	1	25			1	
25	Sarnia	B	2	1	717	672	102	1	1,518			1		1	
26	Seaforth	B	2 $\frac{3}{4}$		722	614	185	1	750	1	60	1		1	
27	Stratford	B	5		810	1,036	201	1	117					1	
28	Strathroy	B	1 $\frac{1}{2}$		753	878	114	1	494			1		1	
29	St. Catharines	B	2		631	714	135	1	775	1	35	1		1	
30	St. Mary's	B	2		576	394	113	1	760			1		1	
31	St. Thomas	B	2 $\frac{1}{4}$	1	871	905	100	1	974					1	
32	Toronto (Harbord)	B	1 $\frac{1}{2}$		1,024	1,995	156	1	4,710					1	
33	" (Jameson)	B	1 $\frac{1}{2}$		1,460	2,046	144	1	4,790			1		1	
34	" (Jarvis)	B	2		1,212	1,631	406	1	8,900	1	20	1		1	
35	Whitby	B	1 $\frac{1}{2}$	1	615	505	94	1	1,100			1		1	
36	Windsor	B	2	1	698	947	114	1	3,200	1	200			1	
37	Woodstock	B	1		2,088	1,324	146	1	2,172	1	75	1	1		
		B. S.	acres.												
1	Total, 1898	33 4	86	15	29,696	36,170	5,193	34	55,356	19	2,452	23	36	12	
2	" 1897	33 4	89 $\frac{1}{2}$	15	28,406	35,736	5,080	34	55,573	15	1,683	22	36	11	1
3	Increase				1,290	434	113			4	769	1		1	
4	Decrease		3 $\frac{1}{2}$						217						
5	Percentage	89 11		41				89		51		62	100	33	



## Collegiate Institutes.

information.

Commencement exercises.	No. of pupils in—				No of pupils from municipalities composing the High School district.	From other municipalities within the county.	From other counties.	Who entered mercantile life.	Who became occupied with agriculture.	Who joined a learned profession.	Who became teachers.	Who left for other occupations.	Occupation of parents.				
	Form I.	Form II.	Form III.	Form IV.									Commercial.	Agricultural.	Mechanical.	Professional.	
1	1	52	38	41	12	90	51	2	3	4	5	4	16	40	53	35	15
2	1	68	123	58	12	122	127	12	14	1	4	12	1	51	123	45	37
3	1	99	142	77	18	253	75	8	21	3	2	12	13	112	70	111	43
4	1	160	94	46	31	250	77	4	10	5	4	12	...	70	131	100	30
5	1	156	116	57	20	255	90	4	25	10	5	25	20	132	73	76	68
6	1	80	53	66	14	102	105	6	8	8	7	24	12	45	90	48	30
7	1	104	18	26	8	107	49	...	15	5	3	20	25	25	100	6	25
8	1	47	48	90	10	113	54	28	6	9	3	14	20	58	71	50	16
9	1	149	45	42	20	139	96	21	11	4	6	13	23	47	88	91	30
10	1	90	51	57	17	147	61	7	4	4	2	10	25	64	70	50	31
11	1	114	62	58	29	216	31	16	8	6	6	13	29	118	45	57	43
12	1	252	171	207	140	627	86	57	60	16	20	50	45	327	97	252	94
13	1	86	27	27	15	95	53	7	8	2	2	6	36	48	53	33	21
14	1	302	104	91	10	422	72	13	27	11	8	20	86	147	57	218	85
15	1	79	95	79	12	170	80	15	23	19	13	19	29	89	83	51	42
16	1	551	222	170	84	826	176	25	98	50	45	50	60	363	336	240	88
17	1	73	63	60	25	101	119	1	13	7	2	29	20	19	156	26	20
18	1	119	52	36	13	106	102	12	13	5	6	12	31	58	94	38	30
19	1	109	71	41	22	122	93	28	22	4	4	15	26	109	64	50	20
20	1	235	88	71	30	337	65	22	26	11	4	10	31	201	73	92	58
21	1	111	99	128	47	210	118	57	26	20	14	60	26	67	120	160	38
22	1	102	68	34	13	76	135	6	10	13	4	21	6	26	133	41	17
23	1	143	60	50	23	240	34	2	15	...	...	...	...	63	51	102	60
24	1	74	66	43	26	86	120	3	10	16	8	10	8	79	80	34	16
25	1	149	61	40	9	167	87	5	8	7	2	4	48	52	48	115	44
26	1	87	60	46	11	105	96	3	8	17	6	13	3	53	111	27	13
27	1	108	10	69	25	229	56	7	26	4	3	14	40	122	53	89	28
28	1	60	76	45	26	110	93	4	10	30	5	15	25	41	112	40	14
29	1	189	66	37	26	224	75	19	20	24	17	22	18	86	95	110	27
30	1	41	90	38	32	117	42	42	15	10	4	20	18	53	92	41	15
31	1	227	64	58	30	225	84	...	60	30	10	5	24	165	82	114	18
32	1	100	204	145	62	499	4	8	38	...	...	20	...	241	112	61	97
33	1	113	140	80	41	359	9	6	30	3	5	12	95	152	35	125	62
34	1	109	183	117	31	440	...	...	90	5	22	45	48	256	9	87	88
35	1	83	41	30	13	101	60	6	3	6	1	10	8	20	122	15	10
36	1	164	85	32	13	216	69	9	20	7	5	9	37	110	52	116	16
37	1	114	76	98	40	196	118	14	16	20	5	24	40	105	112	67	44
1	30	4,899	3,212	2,490	1,010	8,270	2,862	479	825	396	262	674	992	3,814	3,351	3,013	1,433
2	31	5,283	3,288	2,507	1,130	8,552	3,062	594	779	483	244	986	1,065	4,126	3,236	3,352	1,494
3	...	...	...	...	...	...	...	...	46	...	18	...	...	...	115	...	...
4	1	384	76	17	120	282	200	115	...	87	...	312	73	312	...	339	61
5	82	42	28	21	9	71	25	4	...	...	...	...	...	33	29	25	13

X.—TABLE K.—The

High Schools.	Brick, stone or frame school house.	Size of playground.	School under United Board.	Value of library.	Value of scientific apparatus.	Value of charts, maps and globes.	Gymnasium.	Value of gymnasium and appliances.	Museum.	Estimate value of museum.	Schools using authorized Scrip ure readings.	Schools opened and closed with prayer.	Schools using Bible.	Religious instruction imparted.	Miscellaneous
		acres.		\$	\$	\$		\$		\$					
1 Alexandria .....	B	1 $\frac{1}{2}$		156	179	85						1			
2 Almonte .....	S	1 $\frac{1}{2}$	1	850	381	80		8	1	20		1	1		
3 Arnprior .....	B	1 $\frac{1}{2}$	1	229	324	52		33				1			
4 Arthur .....	B	2 $\frac{1}{2}$		237	480	27		6				1			
5 Athens .....	S	2		440	399	54		4				1			
6 Aurora .....	B	3		338	404	60						1			
7 Beamsville .....	B	2	1	280	216	38			1	15		1			
8 Belleville .....	B	1 $\frac{1}{2}$	1	321	507	183						1	1		
9 Berlin .....	B	4		393	864	43		4	1	50		1	1		
10 Bowmanville .....	B	2		565	451	60					1	1	1		
11 Bradford .....	B	3		257	341	20		23		5		1	1		
12 Brampton .....	B	5		435	572	56		10	1	10		1	1		
13 Brighton .....	B		1	270	303	32					1	1			
14 Caledonia .....	B	1 $\frac{1}{2}$	1	417	513	52						1	1		
15 Campbellford .....	B		1	280	426	33					1	1			
16 Carleton Place .....	S	1	1	623	341	53		3				1	1		
17 Cayuga .....	B	1 $\frac{1}{2}$		155	356	33						1	1		
18 Colborne .....	B		1	221	220	80					1	1			
19 Cornwall .....	B	1 $\frac{1}{2}$		446	501	158					1	1			
20 Deseronto .....	B	3 $\frac{1}{2}$		303	353	85	1	510	1	50					
21 Dundas .....	B	3	1	396	469	96		39				1	1		
22 Dunnville .....	B	1 $\frac{1}{2}$		347	486	56						1			
23 Dutton .....	B	1		216	475	32						1			
24 Elora .....	S	1 $\frac{1}{2}$		166	299	71					1	1			
25 Essex .....	B	3 $\frac{1}{2}$		310	425	84	1	826			1	1			
26 Fergus .....	S	1 $\frac{1}{2}$	1	214	230	65						1	1		
27 Forest .....	B	2		273	385	62						1	1		
28 Gananoque .....	B	1	1	481	410	80		11			1	1			
29 Georgetown .....	B	4		198	346	63						1	1		
30 Glencoe .....	B	2		330	576	55						1	1		
31 Gravenhurst .....	B	7 $\frac{1}{2}$		171	357	46						1	1		
32 Grimsby .....	F	1		163	207	21					1	1			
33 Hagersville .....	B	1 $\frac{1}{2}$		306	427	32					1	1	1		
34 Harriston .....	B	3 $\frac{1}{2}$		153	360	60						1	1		
35 Hawkesbury .....	B	1	1	330	334	46					1	1			
36 Iroquois .....	B	1 $\frac{1}{2}$		571	1,047	127		25	1	325		1	1		
37 Kemptville .....	B	2	1	300	353	68		19				1	1		
38 Kincardine .....	B	4	1	500	627	90		17			1	1	1		
39 Leamington .....	B	1 $\frac{1}{2}$		254	402	120		10			1	1			
40 Listowel .....	B	2		331	365	65	1	296				1	1		
41 Lucan .....	B	3		249	537	62						1	1		
42 Madoc .....	B	1		168	388	80					1	1	1		
43 Markham .....	B	2 $\frac{1}{2}$		225	723	46		33			1	1	1		
44 Meaford .....	B	3		260	516	49	1	1,419			1	1			
45 Mitchell .....	B	3 $\frac{1}{2}$		225	299	64	1	536		3		1	1		
46 Mount Forest .....	B	2 $\frac{1}{2}$		384	515	38					1	1			
47 Newburgh .....	S	2	1	413	278	47						1	1		
48 Newcastle .....	B	2	1	156	276	46					1	1			
49 Newmarket .....	B	2		146	344	59	1	413				1	1		
50 Niagara .....	B	1 $\frac{1}{2}$		183	149	58			1	15	1	1	1		
51 Niagara Falls, S. .....	B	2		239	252	41		30				1	1		
52 Norwood .....	B	8	1	328	296	18						1	1		
53 Oakville .....	B	1		260	236	24					1	1			
54 Omemee .....	F	1 $\frac{1}{2}$	1	220	167	16		3				1	1		
55 Orangeville .....	B	2 $\frac{1}{2}$		517	505	52						1	1		
56 Orillia .....	B	2 $\frac{1}{2}$										1	1		
57 Oshawa .....	B	3	1	372	257	134			1	50		1	1		
58 Paris .....	B	4	1	272	539	103						1	1		

## High Schools.

information.

Commencement exercises.	Number of pupils in—				No. of pupils from municipalities composing the High School district.	From other municipalities within the county.	From other counties.	Who entered mercantile life.	Who became occupied with agriculture.	Who joined a learned profession.	Who became teachers.	Who left for other occupations.	Occupation of parents.			
	Form I.	Form II.	Form III.	Form IV.									Commercial.	Agricultural.	Mechanical.	Professional.
1	35	42	46	...	109	10	4	1	7	2	11	11	10	81	25	7
2	30	36	19	8	100	28	15	11	5	1	8	15	26	63	48	6
3	58	49	15	...	101	13	8	5	5	...	3	17	68	20	30	4
4	52	40	20	6	110	7	1	11	5	1	4	2	26	65	25	2
5	48	70	70	...	77	110	1	8	10	8	20	12	49	100	27	12
6	37	32	22	4	61	33	1	7	6	2	6	12	24	35	20	16
7	34	25	14	...	68	5	...	4	4	...	3	5	13	34	20	6
8	135	84	54	9	231	49	2	30	8	13	17	23	71	132	61	18
9	76	43	31	4	84	66	4	10	3	2	8	11	65	28	35	26
10	63	50	24	15	90	61	1	9	4	5	7	25	17	93	32	10
11	33	61	19	...	54	56	3	7	12	2	6	15	14	88	7	4
12	71	50	51	18	86	98	6	8	6	5	12	8	38	102	40	10
13	35	18	13	...	48	18	...	4	12	2	3	5	19	17	24	6
14	46	52	43	...	60	46	35	1	9	2	6	25	12	71	48	10
15	41	42	30	18	75	50	6	7	5	3	10	15	14	89	25	3
16	90	46	42	2	143	29	8	12	8	2	6	7	41	46	84	9
17	29	35	19	6	29	58	2	2	4	1	11	4	9	56	19	5
18	24	27	24	...	44	31	...	4	3	2	8	10	9	50	12	4
19	70	106	24	...	136	56	8	10	8	6	30	20	20	109	65	6
20	49	45	19	6	88	20	11	10	3	2	5	15	31	31	50	7
21	60	42	29	1	82	47	3	10	4	3	4	5	45	33	41	13
22	55	42	24	9	69	54	7	7	6	1	5	12	36	55	28	11
23	21	43	24	3	47	42	2	...	1	...	2	8	10	46	27	8
24	29	40	24	6	50	47	2	2	2	...	...	2	13	60	13	13
25	32	39	23	12	47	53	6	5	1	...	5	2	26	50	19	11
26	48	47	45	9	100	49	...	15	5	10	20	5	40	59	33	17
27	26	34	34	...	38	55	1	5	5	2	9	23	17	54	17	6
28	59	49	31	...	103	18	18	7	2	5	5	16	49	39	34	17
29	25	42	39	13	41	52	26	6	6	...	9	5	31	45	29	14
30	38	30	23	14	44	56	5	2	3	3	9	2	15	68	20	2
31	33	18	6	3	48	10	2	6	1	2	2	6	20	6	26	8
32	29	37	7	...	36	31	6	4	3	...	1	12	6	35	23	9
33	30	26	43	1	41	56	3	7	10	7	8	8	30	45	17	8
34	23	41	61	19	62	48	34	10	14	3	15	16	36	58	32	18
35	26	28	10	...	27	36	1	2	3	...	1	6	16	25	21	2
36	53	47	32	9	42	78	21	7	2	3	5	22	28	83	22	8
37	37	76	58	20	71	59	61	6	4	3	35	...	50	61	50	30
38	32	43	32	20	62	62	3	9	11	2	11	11	36	67	18	6
39	73	29	21	4	60	54	13	3	8	3	3	7	24	55	39	9
40	58	39	50	...	85	49	13	15	3	20	5	10	20	50	67	10
41	41	38	31	2	36	72	4	4	6	...	12	3	21	76	8	7
42	28	31	25	...	38	45	1	5	6	1	10	4	10	48	18	8
43	52	65	67	19	51	135	17	8	15	8	11	9	38	128	19	18
44	32	53	46	21	66	74	12	3	12	6	16	19	22	70	42	18
45	40	35	25	6	73	31	2	3	8	1	5	9	25	39	32	10
46	57	51	39	7	99	23	32	8	5	4	11	9	47	51	33	23
47	70	47	20	...	44	93	...	20	35	5	10	15	20	80	30	7
48	17	18	7	1	18	23	2	3	2	...	2	4	6	24	10	3
49	23	37	34	...	47	42	5	7	5	2	7	15	14	43	26	11
50	31	13	6	...	29	21	...	...	1	2	2	...	12	18	12	8
51	57	47	19	...	115	6	2	6	10	...	3	25	20	56	44	3
52	54	31	40	...	63	50	12	6	12	4	5	6	22	73	20	10
53	22	20	25	...	40	19	8	4	2	...	8	3	16	26	19	6
54	20	21	14	...	45	9	1	...	2	...	9	4	7	24	20	4
55	30	75	100	17	89	77	56	11	20	7	19	30	44	118	31	29
56	57	78	77	14	138	67	21	12	10	3	25	42	40	96	65	25
57	117	54	21	10	135	61	6	16	9	...	2	22	34	58	98	12
58	56	28	21	...	82	21	2	19	6	4	1	14	36	28	34	7



X.—TABLE K.—The

		Miscellaneous													
High Schools.		Brick, stone or frame school house.	Size of playground.	Schools under United Board.	Value of library.	Value of scientific apparatus.	Value of charts, maps and globes.	Gymnasium.	Value of gymnasium and appliances.	Museum.	Estimated value of museum.	Schools using authorized Scripture readings.	Schools opened and closed with prayer.	Schools using Bible.	Religious instruction imparted.
			acres.		\$	\$	\$		\$		\$				
59	Parkhill.....	B	2 $\frac{1}{2}$	1	303	436	93		44	1	50		1		
60	Pembroke.....	B	2 $\frac{1}{2}$	1	260	354	92						1		
61	Petrollea.....	B	2 $\frac{1}{2}$		369	359	45					1	1		
62	Pictou.....	B	2 $\frac{1}{2}$		469	550	108					1	1		
63	Port Arthur.....	B	2 $\frac{1}{2}$		88	288	48		1	20		1	1		
64	" Dozer.....	B	2	1	191	378	19		1	18	1	1			
65	" Elgin.....	B	1 $\frac{1}{4}$		241	363	43		55			1	1	1	
66	" Hope.....	B	1		445	436	72		1	8	1	1			
67	" Perry.....	B	1 $\frac{3}{4}$	1	267	433	52		1	10		1	1		
68	" Rowan.....	B	2	1	87	182	22		1	8	1	1			
69	Prescott.....	B	1 $\frac{1}{2}$	1	215	322	109		23			1	1		
70	Renfrew.....	B	3 $\frac{3}{4}$	1	172	293	33					1	1		
71	Richmond Hill..	B	1	1	78	258	31		28			1	1		1
72	Simcoe.....	B	3	1	267	688	134		14			1	1	1	
73	Smiths Falls....	B	3 $\frac{3}{4}$	1	474	495	68		20	1	5	1	1		
74	Smithville.....	B	1		81	255	36					1	1		
75	Stirling.....	B	1	1	166	243	33						1		
76	Streetsville.....	B	1 $\frac{1}{4}$		203	271	45					1	1		
77	Sydenham.....	S	1		327	279	31						1		
78	Thorold.....	B	2 $\frac{1}{2}$		265	335	102		4				1	1	1
79	Tilsonburg.....	B	3		148	530	69						1	1	
80	Toronto Junction	B	1		453	494	79						1		
81	Trenton.....	B	1 $\frac{1}{4}$	1	342	350	73					1	1		
82	Uxbridge.....	B	1 $\frac{1}{2}$	1	298	362	53					1	1		
83	Vankleekhill....	B	2 $\frac{1}{2}$		437	585	37		20				1		
84	Vienna.....	B	5	1	275	252	105	1	560	1	18	1	1		
85	Walkerton.....	F	1 $\frac{1}{4}$		301	458	62		10			1			
86	Wardsville.....	B	2	1	205	156	96						1		
87	Waterdown.....	S	3 $\frac{1}{4}$	1	189	318	37						1		
88	Waterford.....	B	3		317	436	47					1	1	1	
89	Watford.....	B	2		320	361	109		20				1		
90	Welland.....	B	1		133	472	23						1	1	
91	Weston.....	B	1 $\frac{1}{2}$		274	425	69						1	1	
92	Warton.....	S	1 $\frac{1}{2}$		303	245	45						1	1	
93	Williamstown....	B	1 $\frac{1}{2}$	1	170	196	38						1		
1 Total, 1898.....		B S F	80 9 3	186	39	26,976	35,826	5,718	7	5 076	16	680	37	91	29
2 " 1897.....			82 9 2	185	39	26,612	34,278	5,545	10	6,731	15	795	40	90	31
3 Increase.....		1	1		364	1,548	173			1			1		
4 Decrease.....		2						3	655		115	3		2	1
5 Percentage.....		87 10 3		42				8		18		40	99	32	

## High Schools.

information.

Commencement exercises.		Number of pupils in—				No. of pupils from municipal pupils composing the High School district.	From other municipalities within the county.	From other counties.	Who entered mercantile life.	Who became occupied with agriculture.	Who joined a learned profession.	Who became teachers.	Who left for other occupations.	Occupation of parents.			
		Form I.	Form II.	Form III.	Form IV.									Commercial.	Agricultural.	Mechanical.	Professional.
59	1	25	33	35	2	44	47	4	4	2	3	8	7	33	51	5	6
60		104	49	29	1	145	34	4	16	1	6	7	20	66	31	60	26
61		99	66	25	3	121	71	1	12	9		8	25	54	55	69	15
62	1	132	62	54	13	147	112	2	10	15		16		74	128	34	25
63	1	45	41	12		66	32		6		1	6	14	30	31	30	7
64	1	48	24	18		52	29	9	3	2		2	4	11	61	11	7
65	1	46	27	38		64	46	1	9	2	1	11	16	26	38	34	13
66	1	92	35	44	26	109	85	3	10	11	4	7	25	58	84	42	13
67	1	36	44	40	15	63	57	15	5	8	6	15	7	29	60	29	17
68		8	21	10		15	23	1	4	3		1	3	6	24	5	4
69	1	39	40	13	6	76	22		3	4	2	5	4	8	16	67	7
70	1	61	92	40	11	130	69	5	25	7	2	8	4	40	107	38	19
71	1	43	24	29	3	17	81	1	5	6	1	2	8	13	63	16	7
72	1	79	56	36	12	82	99	2	25	30	4	25	20	47	87	32	17
73	1	63	49	40	1	91	32	30	15	10	3	10	15	20	39	81	13
74		43	23	16		50	28	4		1		2	7	4	62	8	8
75		16	32	13	5	35	31		7	2	2	7	6	7	35	16	8
76	1	29	28	12		30	29	10	3	5		2	3	12	32	21	4
77		38	71	30	4	72	65	6	2	27	3	18	11	18	106	16	3
78	1	43	24	11	11	74	12	3	5	3		2	4	10	47	30	2
79	1	53	45	18		90	14	12	5	9		2	8	24	57	26	9
80	1	111	59	75	19	113	49	102	20	12	3	10	25	89	68	85	22
81	1	51	46	34		101	20	10	10	9	5	7	18	60	24	27	20
82	1	48	41	23	7	64	52	3	4	13		11	10	18	75	20	6
83		72	39	47	11	69	74	26	3	4	6	11	10	22	113	18	16
84	1	7	16	7		27		3		2				2	25		3
85	1	60	54	56	15	101	77	7	7	23	5	22	16	36	106	30	13
86	1	17	14	20		28	7	16	2	1	3	1	1	2	32	9	8
87	1	27	28	7	1	52	5	6	2	7		3	5	10	36	9	8
88	1	37	36	14		24	63		3	10		3	3	5	67	12	3
89	1	44	46	47	7	49	93	2	3	7		12	19	50	70	24	
90	1	63	45	25	12	72	70	3	5	3		10		40	47	46	12
91		15	30	18		29	26	8	2	9	1	3	9	8	36	13	6
92	1	26	39	29	2	75	18	3	6	5	1	9	5	25	16	49	6
93		51	23	13		85		2	1	4			3	5	74	7	1
1	60	4,468	3,889	2,810	523	6,619	4,241	830	666	654	237	762	1,003	2,520	5,363	2,853	954
2	66	4,853	3,974	2,856	499	6,635	4,686	861	589	650	165	1,070	893	2,542	5,655	2,969	1,016
3					24				77	4	72		110				
4	6	385	85	46		16	445	31				308		22	292	116	62
5	65	38	33	24	5	57	36	7						21	46	24	9

XI.—TABLE L.—Protestant Separate Schools.

Statistics.		No. 5 Bromley.	No. 9, Cambridge.	No. 1, Marlboro'.	No. 6, Plantagenet North.	Pushinch.	Rama.	L'Original.	Pentecost.	Total.
Number of schools.....		1	1	1	1	1	1	1	1	8
<i>Receipts:</i>		\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.	\$ c.
Balance from 1897.....		155 69	85	27 19	75 95	78 63	352 08	417 52	1,107 91	1,107 91
Government grants.....		61 80	3 80	20 00	7 35	58 00	40 20	138 69	342 34	342 34
Municipal grants.....		.....	.....	.....	.....	.....	629 10	.....	629 10	629 10
Trustees' school taxes.....		200 00	82 80	57 00	310 87	196 84	150 00	2,078 50	3,076 01	3,076 01
Other sources.....		.....	.....	4 50	4 85	110 00	293 00	.....	412 35	412 35
Total.....		417 49	87 45	81 50	350 26	395 29	579 63	1,021 38	2,634 71	5,567 71
<i>Expenditure:</i>		.....	.....	.....	.....	.....	.....	.....	.....	.....
Teachers' salaries.....		200 00	78 00	68 00	250 00	225 00	400 00	575 00	1,364 17	3,160 17
School sites and buildings.....		122 50	.....	.....	1 08	.....	.....	.....	238 50	382 08
Libraries, maps, etc.....		13 25	.....	.....	.....	.....	.....	.....	13 25	13 25
Other expenses.....		19 43	6 10	13 50	61 49	124 25	74 29	83 46	957 19	1,339 71
Total.....		355 18	84 10	81 50	311 49	350 33	474 29	658 46	2,579 86	4,895 21
Balances on hand.....		62 81	3 35	.....	38 77	44 96	105 34	362 92	54 85	672 50
<i>Teachers:</i>		Female, I. \$200.	Female, III. \$156	Female, Temp. \$180	Female, II. \$250	Female, III. \$230	Male, III. \$350	2 Female, 2, III. \$375 \$200	1 Male, II. \$600 3 Female, II. \$275 \$250 \$275	12 Teachers, 2 Male, 10 Female, 1 I.; 5 II.; 6 III.; 1 Temp. Av. salary: Male, \$175 Female, \$239
<i>Pupils:</i>		.....	.....	.....	.....	.....	.....	.....	.....	.....
Total attending.....		28	14	12	16	26	110	66	233	505
Boys.....		18	10	6	9	15	59	26	120	263
Girls.....		10	4	6	7	11	51	40	113	242
Attending less than 20 days.....		2	4	2	.....	3	13	5	13	42
20 to 50 days.....		7	2	3	3	3	21	7	22	68
51 to 100 ".....		9	4	4	4	.....	30	5	55	117



101 to 150 "	2	3	8	5	9	16	19	47	104
151 to 200 "	8	1	.....	4	5	23	30	96	167
201 days to year	.....	6	5	8	11	46	40	139	266
Average attendance	11	2	7	1	6	35	18	50	135
No. in 1st Reader, Part I	6	3	2	1	4	17	2	35	69
" " II	4	4	2	1	4	18	9	41	85
2nd "	6	2	2	6	2	20	11	31	80
3rd "	7	2	1	4	8	20	12	57	108
4th "	4	3	.....	4	2	.....	14	19	38
5th "	1	.....	12	16	26	110	66	233	505
Writing	28	14	12	16	26	110	66	233	505
Arithmetic	28	14	12	16	26	110	66	233	505
Drawing	28	12	12	16	26	41	46	183	442
Geography	18	.....	5	13	20	41	46	183	326
Music	.....	.....	.....	16	16	.....	66	.....	108
Grammar	12	12	3	16	16	41	48	183	331
History	12	3	1	6	12	39	23	107	206
School houses	F	L	L	F	F	F	B	B	{ 2 B 4 F 2 L
No. of maps	5	6	1	7	10	14	16	7	66
No. of globes	1	.....	.....	.....	1	.....	1	.....	3

XII.—TABLE M.—Report on Truancy.

Cities.	No. of children otherwise employed during school hours.	No. of cases of truancy reported.	No. of complaints made before Police Magistrates or J. P's.	No. of convictions.	No. of children not attending any school.
Chatham .....		63	1		
Guelph .....	5	59	5	2	
Hamilton .....	16	125	58	12	1,114
Stratford .....		39	1	1	
St. Catharines .....		45			
St. Thomas .....	6	153	3	3	
Toronto .....		900			
Windsor .....		86			
Towns.					
Almonte .....		40			
Aylmer .....		32			
Barrie .....		13			
Carleton Place .....		15			
Collingwood .....		61			
Cornwall .....		5			
Dundas .....		45	5	4	9
Durham .....			6		
Deseronto .....	10	75			12
Forest .....		7			1
Galt .....		17	4		
Gore Bay .....		4			
Gravenhurst .....		13			
Lindsay .....	2	78	6	5	
Listowel .....		5	1		
Meaford .....		2			
Milton .....		20			
Newmarket .....		8	2	2	
Niagara Falls .....	3	72	3	3	72
Niagara .....		27			
Orillia .....	3		2	1	
Oshawa .....		2			17
Oakville .....		2			
Pembroke .....		3			
Peterborough .....		25	3		
Prescott .....		36			
Parry Sound .....		1	2	2	1
Petrolia .....	2	40			
Sault Ste. Marie .....	5	12	4		6
Sarnia .....	20				
Simcoe .....		100			1
Stratroy .....		1			
St. Mary's .....		12			

XII.—TABLE M.—Report on Truancy.

Towns.	No. of children otherwise employed during school hours.	No. of cases of truancy reported.	No. of complaints made before Police Magistrates or J. P's.	No. of convictions.	No. of children not attending any school.
Thorold .....		7			
Tilsonburg .....			5	5	
Toronto Junction .....		10	4		
Waterloo .....		10	2	2	
Walkerton .....		47	1	1	
Warton .....		8			
Woodstock .....		3			3
Villages.					
Ailsa Craig .....	5	15			
Aurora .....		3			
Burlington .....		2			
Bayfield .....		2			
Beaverton .....			4	1	
Brighton .....	10				
Bobcaygeon .....		10			
Bradford .....	6	27	1		
Bridgeburg .....		27			2
Burk's Falls .....		3			3
Chesterley .....		2			
Chesterville .....		5			5
Colborne .....	2				
Delhi .....		17			15
Dundalk .....		22			
Eganville .....		1			
Elora .....		24			24
Exeter .....	6	10			
Fanelon Falls .....		18			
Fort Erie .....		1			
Georgetown .....		50	1	1	
Glencoe .....		1			
Grand Valley .....		2			2
Huntsville .....		13			
Holland Landing .....	1				
Little Current .....		10			
Markdale .....		1			
Norwich .....		4			
Point Edward .....		15			
Port Dover .....		32	1		
Shelburne .....		1	2	1	1
Stirling .....			4		
Streetsville .....		1			
Thamesville .....		2			3
Waterford .....	1	5			2
Total .....	103	2,654	131	46	1,293



XIII.—TABLE N.—Report on Kindergartens.

Locality.	No. of Kindergartens.	No. of teachers.	No. of pupils attending.	Average attendance.
Belleville .....	1	1	52	28
Brantford .....	3	7	309	114
Chatham .....	1	2	103	40
Guelph .....	1	1	179	78
Hamilton ..	13	22	1,318	535
Kingston .....	4	4	219	133
London .....	14	28	1,220	413
Ottawa .....	11	16	961	347
Stratford .....	3	7	251	91
Toronto .....	46	125	4,832	1,945
Aylmer .....	1	1	61	38
Berlin .....	5	5	250	191
Dundas .....	1	1	131	56
Galt .....	1	2	58	51
Ingersoll .....	1	2	106	45
Leamington .....	1	1	69	34
Niagara Falls .....	1	3	127	35
Owen Sound .....	1	3	132	65
Peterborough .....	2	4	213	95
Tilsonburg .....	1	1	90	36
Waterloo .....	1	1	174	79
Campbellford .....	1	1	85	27
Hespeler .....	1	1	81	49
Preston .....	1	1	62	48
Totals .....	116	240	11,083	4,573

XIV.—TABLE O.—Report on Night Schools.

Locality.	No. of Night Schools.	Teachers.	Pupils. attending.	Average attendance.
Brantford .....	2	2	110	6
Hamilton .....	3	8	200	33
St. Catharines .....	1	2	60	16
Toronto .....	10	27	1,004	258
Windsor .....	1	2	118	47
Zurich .....	1	1	12	3
<b>Total .....</b>	<b>18</b>	<b>42</b>	<b>1,504</b>	<b>363</b>

## XV.—TABLE P.—GENERAL STATISTICAL ABSTRACT.

A General Statistical Abstract, exhibiting the comparative state and progress of Education in Ontario, as connected with Public, Separate and High Schools (including Collegiate Institutes); also Normal College and Normal and Model Schools From the year 1867 to 1898, compiled from Returns in the Education Department.

No.	Subjects compared.	1867.	1872.	1877.	1882.	1887.	1892.	1897.	1898.
1	Population.....	1,620,851			1,926,922		2,114,321		
2	School population between the ages of five and sixteen years, up to 1884 (and five to twenty-one subsequently).....	447,726	495,756	494,804	483,817	611,212	595,238	590,055	591,300
3	High Schools (including Collegiate Institutes).....	102	104	104	104	112	128	130	130
4	Normal College and Normal and Model Schools.....	3	3	4	6	6	6	7	7
5	Total Public Schools in operation.....	4,261	4,490	4,955	5,013	5,277	5,577	5,574	5,587
6	Total Roman Catholic Separate Schools.....	161	171	185	190	229	312	340	345
7	Grand total of all schools in operation.....	4,527	4,768	5,240	5,203	5,506	6,023	6,051	6,069
8	Total pupils attending High Schools (including Collegiate Institutes).....	5,696	7,968	9,229	12,348	17,459	22,887	24,390	23,301
9	Total students and pupils attending Normal College, Normal and Model Schools.....	800	800	900	1,059	1,204	1,270	1,492	1,492
10	Total pupils attending Public Schools.....	382,719	433,256	465,908	446,364	462,839	448,204	441,157	436,727
11	Total pupils attending Roman Catholic Separate Schools.....	18,924	21,406	24,952	26,148	30,373	37,466	41,620	41,667
12	Grand total, students and pupils attending High, Public, Separate, Normal College and Normal and Model Schools.....	408,139	463,430	500,989	484,919	511,875	509,777	508,659	503,187
13	Total amount paid for the salaries of Public and Separate School Teachers.....	1,093,516	1,371,594	2,038,099	2,144,448	2,458,540	2,752,628	2,886,061	2,914,830
14	Total amount paid for the erection and repairs of Public and Separate School Houses, and for libraries and apparatus, books, fuel, stationery, etc.....	379,672	835,770	1,035,390	882,526	1,283,565	1,301,289	1,329,609	1,477,885
15	Grand total paid for Public and Separate School Teachers' salaries, the erection and repairs of school houses, and for libraries, apparatus, etc.....	1,473,188	2,207,364	3,073,489	3,026,974	3,742,105	4,053,917	4,215,670	4,392,715
16	Total amount paid for High School (including Collegiate Institutes), Teachers' salaries.....	94,820	141,812	211,607	253,864	327,452	470,828	532,837	531,887
17	Total amount paid for erection and repair of High School (including Collegiate Institutes) houses, maps, apparatus, prizes, fuel, books, etc.....	19,190	31,360	51,417	89,857	168,160	215,871	183,139	202,957
18	Amount paid for other educational purposes.....	332,825	439,680	250,968	262,307	280,832	353,937	346,820	342,916
19	Grand total paid for educational purposes.....	1,920,023	2,820,226	3,587,481	3,683,002	4,518,549	5,034,603	5,278,466	5,470,475
20	Total Public and Separate School Teachers.....	4,890	5,476	6,468	6,857	7,594	8,480	9,128	9,209
21	Total male teachers.....	2,849	2,626	3,020	3,062	2,718	2,770	2,784	2,743
22	Total female teachers.....	2,041	2,850	3,448	3,795	4,876	5,710	6,344	6,466

\* Colleges and Private Schools are included for 1867 and 1872.



## APPENDIX B.—PROCEEDINGS FOR THE YEAR 1899.

## 1. ORDERS-IN-COUNCIL.

1. Payment of gratuity to the family of the late Thomas Kirkland, Principal of the Normal School, Toronto. (Approved 6th April, 1899).<sup>1</sup>
2. Sale of property by Trustees of the Williamstown High School Board. (Approved 13th April, 1899).
3. Payment of balance of gratuity to Miss Mary G. Joyce, Mr. E. B. Cope, Mr. W. G. Workman, and Mr. T. H. McGuirl. (Approved 7th April, 1899).
4. Appointments to the staff of each of the Normal Schools—Mr. F. W. Merchant, M.A., Principal of London Normal School; Mr. John Dearness, Vice-Principal; Mr. W. H. Elliott, B.A., Vice-Principal of Toronto Normal School; and Miss Elizabeth Keyes, teacher of Physical Culture at Ottawa. (Approved 28th July, 1899).
5. Agreement with the W. J. Gage Co., Limited, respecting certain copy books and the Practical Speller, and Geo. N. Morang & Co., Limited, respecting the text-book in Agriculture. (Approved 16th August, 1899).

## 2. MINUTES OF DEPARTMENT.

1. School day before 24th May to be called Empire Day. (Approved 1st March, 1899).
2. Text-book regulations. (Approved 16th August, 1899).
3. Regulations regarding course of study. (Approved 22nd August, 1899).
4. Regarding specialist standing in English and History. (Approved 24th August, 1899).
5. Amended regulations regarding course of study. (Approved 17th October, 1899).
6. Public School Inspector's Certificate awarded to Mr. S. A. Morgan, B.A., D. Paed. (Approved 17th October, 1899).

## 3. CIRCULARS FROM THE MINISTER.

## DEPARTMENTAL INSTRUCTIONS.

## HIGH SCHOOL ENTRANCE EXAMINATION, 1900.

*General.*

1. The High School Entrance examination for 1900 will begin Wednesday, the 27th of June, at 8.45 a.m., and will be conducted under the provisions of Section 38 of the High Schools Act and Sections 23-27 of the Regulations, subject to the instructions herein contained.
2. Candidates who purpose writing at the examination must notify the Public School Inspector before the 1st of May.
3. No teacher, who has pupils writing at the High School Entrance Examination, shall be eligible as Examiner where such pupils are writing.

4. When the County Council recommends the holding of an examination at any place other than the High School, the presiding examiner shall be paid the sum of \$3 per diem, and travelling expenses, for conducting such examination, and the examiners shall be allowed the sum of \$1 per candidate for reading the examination papers. It shall be lawful for the County Treasurer to pay all the expenses of such examination on the certificate of the County Inspector.

6. The course of study prescribed is that given in the Revised Regulations of 1896. The paper in Arithmetic will include such questions as will specially test the accuracy of the candidates in the simple rules, as well as their knowledge of the subject; and the paper in Dictation will call for the study of the authorized Spelling Book.

7. The following selections in Literature from the Fourth Book have been prescribed for the examination of 1900 :

III. Loss of the Birkenhead ; XI. The Evening Cloud ; XII. The Truant ; XVI. The Humble Bee ; XXIV. The Face against the Pane . XXVII. The Battle of Bannockburn ; XXXIII. The Skylark ; XXXIV. Death of Little Nell ; XXXIX. A Psalm of Life ; LI. The Heroes of the Long Sault ; LVI. The Honest Man ; LIX. Yarrow Unvisited ; LXIII. The Exile of Erin ; LXIV. Ye Mariners of England ; LXIX. The Changeling ; LXXIX. The Capture of Quebec ; LXXXVII. The Song of the Shirt ; XCV. A Forced Recruit at Solferino.

The following selections from the Fourth Reader for Memorization :

XIII. The Bells of Shandon ; XXXI. To Mary in Heaven ; XL. Ring out, Wild Bells ; XLII. Lady Clare ; XLVI. Lead, Kindly Light ; LXVI. Before Sedan ; LXXIII. The Three Fishers ; CIII. To a Skylark ; CV. Elegy written in a Country Churchyard.

8. The following selections from the Fourth Reader of the Canadian Catholic Series may be substituted for the preceding :—

VIII. Hunting the Deer ; XVII. My Playmate ; XX. The Exile of Erin ; XXIII. The Destruction of Sennacherib ; XXXI. The Death of Paul Dombey ; XXXIII. Dickens in Camp ; XXXVI. An April Day ; XLI. Yarrow visited ; LIX. Ye Mariners of England ; LX. Wolfe at Quebec ; LXIV. The Water-Fowl ; LXV. The Journey to Bethlehem ; LXVII. Macarius the Monk ; LXXIII. Our New Neighbors ; LXXIX. Alec Yeaton's Son ; LXXXV. A Psalm of Life ; XCI. May-Day ; XCVI. The Virgin.

For memorization :—

VI. Lead, Kindly Light ; XVIII. About Ben Adhem and the Angel ; XXVII. Under the Violets ; XLVII. Love of Country ; XCIII. God the Comforter ; OI. Inscription for a Spring ; CX. Our Lady in Italy ; CXV. The Bells of Shandon ; CXVIII. Elegy written in a Country Churchyard.

### *Duties of Inspector.*

8. The Inspector shall notify the Department not later than the 3rd day of May in each year, of the number of persons desiring to be examined at any High School or other authorized place within his jurisdiction.

9. In any city or town forming a separate inspectoral division, the Inspector or Inspectors of such city or town shall preside at the examinations, and in conjunction with the Board of Examiners for such city or town, shall read the papers and report to the Department.

10. In counties in which more High Schools than one are situated, the Inspector for the county shall elect at which High School he will preside, and shall notify the Department of the choice he makes, and in each of the other High Schools the Principal of the High School shall preside.

11. In the case of examinations affiliated with a High School, the Inspector, within whose district such affiliated examinations are held, shall appoint presiding examiners.

who shall be teachers in actual service, notice of which shall be sent to the Education Department; and such Inspector, together with the examiners of the High School with which the examination is affiliated, shall be the Board of Examiners in all such cases.

12. Where, from the number of candidates, or any other cause, additional presiding examiners are required, the Inspector shall make such appointments as are necessary, preference being given to the other members of the Board of Examiners. The Inspector shall not appoint as presiding examiner any teacher who has taken part in the instruction of any of the candidates in the room where he presides, or who is not in actual service.

13. Where more examinations than one are held in an inspectoral division, the papers will be sent by the Education Department to the Inspector, or the presiding examiner, as the case may be.

14. The parcel containing the examination papers shall not be opened till the morning of the examination day, nor shall any envelope containing the papers in any subject be opened until the time appointed in the time-table for the examination in such subject.

#### *Duties of Presiding Examiners.*

15. To be in attendance at the place appointed for the examination at least fifteen minutes before the time fixed for the first subject, and to see that the candidates are supplied with the necessary stationery, and seated so far apart as to afford reasonable security against copying.

16. To open the envelope containing the papers in each subject in full view of the candidates, at the time prescribed, and to place one paper on each candidate's desk.

17. To exercise proper vigilance over the candidates to prevent copying and to allow no candidate to communicate with another, nor permit any person except a co-examiner, to enter the room during examination.

18. To see that the candidates promptly cease writing at the proper time, fold and endorse their papers properly, and in every respect comply with the instructions herein contained.

19. To submit the answers of the candidates to the examiners, according to the instructions from the Board.

#### *Duties of Candidates.*

20. Every candidate should be in attendance at least fifteen minutes before the time at which the examination is to begin, and shall occupy the seat allotted by the presiding examiner. Any candidate desiring to move from his allotted place or to leave the room shall first obtain permission from the presiding examiner to do so. Any candidate leaving shall not return during the examination of the subject then in hand.

21. Every candidate shall write his answers on one side only of the paper, and shall number each answer. He shall arrange the sheets numerically, according to the questions, and fold them once crosswise, endorsing them with his name, the name of the subject, and the name of the place at which he is examined. No paper shall be returned to a candidate after being placed in the hands of the presiding examiner.

22. Any candidate who is found copying from another or allowing another to copy from him or who brings into the examination room any book, note, or paper having any reference to the subject on which he is writing, shall be required by the presiding examiner to leave the room and his paper and the papers of all the guilty parties shall be cancelled.

#### *Duties of Examiners.*

23. The papers of the different candidates shall be so distributed that the same examiner shall read and value the answers in the same subject throughout.

24. Marks are to be deducted for mis-spelt words and for want of neatness as indicated in regulation 25, and on the question papers.



25. Each examiner shall mark distinctly, in the left hand margin, the value assigned by him to each answer or partial answer, shall sum up the total on each page at the foot of the margin, and shall place the general total on the back of the outside sheet, indicating the deductions for mis-spelt words, and the deductions for want of neatness thus, *e. g.*, History, 60—5sp—3n = 52, and initialing each set of papers examined.

26.—(a) The reports of the examiners are to be sent (*by mail*) to the Education Department, on or before the 20th day of July, by the Public School Inspector.

(b) The bag which contains the question papers is to be returned to the Department (charges prepaid) *at the same time* as the reports are sent.

(c) The answer papers of candidates, unless when specially requested, are not to be forwarded to the Department, but are to be retained by the Inspector until October 1st, *after which no case is to be re-considered.*

(d) The Inspector shall issue a certificate to each candidate that passes the High School Entrance examination.

(e) The names of all candidates admitted by the Board of Examiners may be published immediately after (*but not before*) the reports have been transmitted to the Education Department.

### TIME TABLE.

#### HIGH SCHOOL ENTRANCE.

##### *First Day.*


A. M.	8.45.....	Reading Regulations,
	9.00—11.00 .....	English Grammar.
	11.10—12.40 .....	Geography.
P. M.	2.00— 4.00 .....	Composition.
	4.10— 4.40 .....	Dictation.

##### *Second Day.*

A. M.	9.00—11.00 .....	Arithmetic.
	11.10—12.20 .....	Drawing.
P. M.	1.30— 3.00 .....	History.

##### *Third Day.*

A. M.	9.00—11.00 .....	English Literature.
	11.10—11.40 .....	Writing.
P. M.	1.30— 3.00 .....	Physiology and Temperance.

 Reading may be taken on the above days at such hours as may suit the convenience of the examiners.

### MEMORANDA.

The Public School Leaving examination which will correspond hereafter to the examination for Part I. of Junior Leaving Standing, will begin Tuesday, the 3rd day of July, at 8.45 a.m. All candidates for this examination must, as provided by \* Regulation 28, make application on forms to be obtained any time in April from the Public School Inspector. The application forms, duly filled up, must be returned to the Inspector not later than the 24th day of May. The answer papers of candidates will be exam-

\*A copy of the High and Public School Acts, including the Regulations, was sent in 1896 to each High, Public and Separate School Board; to each Principal of a Collegiate Institute or High School; to each Principal of a County Model School, and to each Public School Inspector. As only a limited supply of the Regulations can be furnished, reference should be made to the copies already sent as above mentioned.

ined as provided by Regulations 82 and 83. Candidates who fail at this examination may, under the provisions of Regulation 29, be awarded High School Entrance certificates. The following are the amended Regulations regarding this examination :—

#### PUBLIC SCHOOL LEAVING EXAMINATION:

The Public School Leaving Examination will hereafter be identical with the examination prescribed for Part I. of Junior Leaving Standing. Public School Leaving certificates will be issued by the Public School Inspector to all pupils of Public Schools in his inspectorate who pass the examination of Part I. of Junior Leaving Standing. The present holders of Public School Leaving certificates will be entitled to certificates of having passed the examination of Part I. Junior Leaving Standing by passing the examinations in Arithmetic and Mensuration, Grammar and History, the prescribed percentage on the total of these subjects being also exacted.

#### PART I., JUNIOR LEAVING STANDING.

The subjects prescribed for Part I. of Junior Leaving Standing are the following: Reading, Drawing, Geography, Botany (or Agriculture), Writing with Book-keeping and Commercial Transactions, English Grammar, English Literature, Arithmetic and Mensuration, English Composition and History. The course in Agriculture will include what is taken up in the authorized text book as far as page 73. The course in the other subjects will be based as heretofore upon the work prescribed in the Regulations for Forms I. and II, subject to requirements for examinations hereinafter mentioned. For 1900 no examination will be held in Reading, English Literature, Drawing Book-keeping, Botany, or Agriculture, but no name of a student who has not given due attention to these subjects is to be included in the confidential report of the Principal.

No grant to a High School or to a Continuation Class will be paid until the Principal and Chairman of the School Board report that each obligatory subject of the course, whether prescribed for examination or not, has, in their judgment, received due attention on the part of the pupils while attending the school.

It is expected that throughout the course, until pupils have completed what is required for Part I. of Junior Leaving Standing, at least two half-hour periods per week shall be given regularly to Reading, and an equal time to English Literature. Regarding Drawing, Book keeping, Botany or Agriculture, at least two half-hour periods per week for each of these subjects are to be given regularly to pupils enrolled in Form I. of the High School or Form V. of the Public School; that is practically during the first year of the course in preparation for Part I. of Junior Leaving Standing.

#### EXAMINATION REQUIREMENTS.

*(Part I, Junior Leaving Standing.)*

##### *Geography.*

The building up of the earth; its land surface; the ocean; comparison of continents as to physical features, natural products and inhabitants; relation of physical conditions to animal and vegetable products, and of natural products and geographical condition to the occupations of the people and national progress. Form, size and motions of the earth; lines drawn on the map, with reasons for their position; relation of the positions of the earth with respect to the sun, to light and temperature; the air; its movements; causes affecting climate. Natural and manufactured products of the countries of the world, with their exports and imports; transcontinental commercial highways and their relation to centres of population; internal commercial highways of Canada and the chief internal commercial highways of the United States; commercial relations of Great Britain and her colonies. Forms of governments in the countries of the world and their relation to civilization. One examination paper.



*Arithmetic and Mensuration.*

Proofs of elementary rules in Arithmetic ; fractions (theory and proofs); commercial Arithmetic ; mental Arithmetic ; Mensuration of rectilinear figures One examination paper. (The questions will call for accuracy and will have special reference to the requirements of ordinary life.)

*English Grammar.*

Etymology and Syntax, including the inflection, classification, and elementary analysis of words and the logical structure of the sentence and paragraph ; exercises chiefly on passages from authors not prescribed. One examination paper. (The questions will call for such an elementary knowledge of the subject as will be of special value in the ordinary use of the language.)

*English Composition.*

For examination purposes an essay of about two pages of foolscap on one of the themes prescribed by the examiners will be required. The penmanship, spelling, punctuation, construction of sentences, the logical arrangement of the thought, the literary accuracy and aptness of the language and the general plan or scope of the whole essay will be specially considered by the examiners, One examination paper

*History of Great Britain and Canada.*

Great Britain and Canada from 1763 to 1885, with the outlines of the preceding periods of British History.

The Geography relating to the History prescribed. One examination paper.

The following modifications are also made in the Revised Regulations which came into force in October, 1896 :—

## \* PUBLIC SCHOOL COURSE OF STUDY.

The Public School course of study is amended so as to include Agriculture among the obligatory subjects in all rural schools for Forms IV. and V.; for the latter Form the text books are to be used by the pupils, but for the former the instruction is to be by conversation only. Agriculture will remain optional for all Public Schools in urban municipalities. Needlework, Domestic Economy, and Manual Training may be taken up in urban schools with the approval of the trustees. In Poetical Literature, the course for Form V. will embrace such selections from the High School Reader as are recommended by the teacher. No special selections are prescribed by the Department. Where the trustees have provided books for Supplementary Reading, such works as are recommended by the teacher, under the direction of the Inspector, may also be read.

## CONTINUATION CLASSES.

Under the provisions of the Amendment of 1899 to the Public Schools Act, the course of study (Regulation 20) for Continuation Classes is extended to include the subjects prescribed for Form II. of the High School course. More advanced work of the High School may be taken up if requested by the Trustees and approved by the Public School Inspector. In Class (a) the Principal must give regular instruction only to pupils of Form V. or to those doing higher work. In the other classes, the teachers must have such qualifications as are approved by the Public School Inspector.

Hereafter (Regulation 21) there will be four grades of Continuation Classes, viz :—  
(a) Schools in which the Principal holds a First Class Certificate (unless occupying the position since April, 1899), and gives regular instruction only to pupils of Form V., or to

\* See Schedule A.—Public School Course of Study of the Revised Regulations of 1896. It should be remembered that Algebra and Geometry are obligatory subjects of Form V. The time to be devoted to these subjects, as well as to Geography, Arithmetic and Mensuration, English Grammar, English Composition, History of Great Britain and Canada, is left to the direction of the teacher, who should be guided by the Inspector (Regulation 17). Regarding Reading, English Literature, Drawing, Bookkeeping, Botany or Agriculture, the minimum amount of time, as specified herein for Part I. Junior Leaving Standing, must be given.



those doing higher work. (b) Schools in which there are at least two teachers, and a class in regular attendance of at least ten pupils who have passed the High School Entrance examination. (c) Schools where there are at least five; and (d) in which there are at least three, who have passed the High School Entrance examination, and are in regular attendance.

No grant will be paid for Continuation Classes unless the Inspector (who shall examine the statements signed, as above mentioned by the Principals and Chairmen of the Boards) reports that the obligatory subjects, whether prescribed for examination purposes, or not, have received proper attention. The grant will be paid according to the nature and extent of the work done, and not on the results of examinations.\* In order that a school may obtain the grant, it will be necessary that the minimum number of pupils be enrolled during each month of the full academic year ending in June.

TORONTO, March, 1899.

## HIGH SCHOOL AND UNIVERSITY MATRICULATION EXAMINATIONS.

### INSTRUCTIONS TO PRESIDING EXAMINERS, 1899.

The Presiding Examiners are *requested to peruse carefully* the following instructions and see that they are fully carried out:

(1) Each Inspector, or such other person as may be appointed by the Minister, shall himself, in person, receive from the Department or the Inspector, the examination papers, and shall thereupon be responsible for the safe keeping of the parcel containing the same, unopened, until the morning of the first day of the examination.

(2) On the receipt of the bag containing the question papers the Presiding Examiner will see that *the seal is intact*. The bag can be opened by breaking the wire close to the seal.

(3) The Presiding Examiner will satisfy himself that all necessary arrangements are made by the School Board in due time for the examination. If the trustees have not placed a clock in each room used for examination purposes the Presiding Examiner shall have power to hire the use of one for each room during the time required for the examination, and charge the same as part of the expenses of the examination.

(4) The Presiding Examiner shall, if there is sufficient accommodation and if a sufficient number of papers have been received, admit candidates that through some oversight did not send their applications to the Inspector. The names of such candidates are to be entered in the report-blank specially provided, with such information as is required of the other candidates. This report-blank and the required part of the fee with one dollar additional as provided, should be sent by the Presiding Examiner, to the Education Department. The balance of the fee should be sent to the Board that bears the expense of the examination.

(5) The Presiding Examiner shall exercise necessary vigilance at all times while the candidates are engaged, and he shall not give his attention to any work other than that

\*It should be understood that no pupil, unless he intends to become a teacher, is required to write at the examination for Part I Junior Leaving Standing (Public School Leaving). No grant will hereafter be paid to a school on account of the success of pupils at the Public School Leaving examination, and a school entitled to rank in one of the grades for Continuation Classes, will receive its share of the appropriation for such classes, even if no pupils from the school should become candidates at any examination. Forms of reports for Continuation Classes may be obtained from the Inspector in April. These should be duly filled up and returned to the Inspector the 1st of July. The Legislative Grant for a Continuation Class will depend upon the number of the different grades in the Province, and cannot be determined until the County Inspectors make their reports for Continuation Classes to the Education Department. The report of the Inspector will be due at the Department July the 10th, and if promptness is observed by teachers in making the necessary returns to the Inspector, the grants for Continuation Classes may be paid in August. It should be recollected that the success of pupils at the High School Entrance examination in June will in no way affect the question of whether or not a school is entitled to be placed in any of the grades for the academic year ending the same month.

which pertains to his duties as Presiding Examiner. He shall take all necessary care to render it impossible for the instructions to candidates to be violated without his knowledge. This instruction (5) is to be observed however small may be the number of candidates.

(6) It is imperative that the regulations be enforced by the Presiding Examiner and strictly observed by the candidates. In particular, the examination papers shall be distributed, and the answer papers collected *punctually* at the time indicated in the time-table. The Presiding Examiner has no authority to deviate from the official time-table.

(7) In the examination room, candidates, whether writing on the same subject or on different subjects, shall be seated at least five feet apart. All diagrams or maps having reference to the subject of examination shall be removed from the room, and books, papers, etc., removed from the desks; all arrangements shall be completed, and the necessary stationery distributed at least *fifteen minutes* before the time appointed for the commencement of the first subject of the examination, and at least *five minutes* before each other subject is begun.

(8) No person except the Examiners and any necessary attendants shall be present with the candidates in any room at the examination; and at least one Examiner shall be present during the whole time of the examination in each room occupied by the candidates.

(9) The Presiding Examiner shall, as indicated on the time table, read to the candidates their duties, shall draw attention to any feature of them that may require special care during the examination, and shall be explicit in giving instructions to the candidates as to the manner in which the slips are to be attached to the envelopes. Great care should be taken in distributing the proper number of envelopes and in accounting for such envelopes as have been distributed. The instructions (5), (6) and (7) for candidates are also instructions to Presiding Examiners.

(10) *Punctually* at the time appointed for the commencement of each examination, the Presiding Examiner shall, in the examination room and in the presence of the candidates and other Examiners (if any), break the seal of the envelopes containing the examination papers, and give them to the other Examiners and the candidates. The papers of only the subject or subjects required shall be opened at one time. Until the examination in the subject is over no examination papers, other than those which the candidates receive, shall be taken out of the room.

(11) *Punctually* at the expiration of the time allowed, the Examiner shall direct the candidates to stop writing, and cause them to hand in their answer papers *immediately*, duly fastened to the envelopes.

(12) The Examiner shall keep upon his desk the tally list (check-list of candidates and subjects) and as each paper in any subject is handed in, (and the Examiner should carefully note the superscription of the envelope—the subject and the candidate's name), he shall check the same by entering the figure “1” opposite the name of the candidate. After the papers are handed in the Examiner shall not allow the envelopes to be opened, and he shall be responsible for their safe keeping until transmitted to the Education Department, or placed in the hands of the Presiding Examiner.

(13) For special instructions *re* the examinations in Reading, Book-keeping, Botany, Drawing, Stenography, Chemistry, Biology, etc., see Confidential Circulars of Forms I., II., III., IV., which are forwarded to each Presiding Examiner prior to the examinations.

#### REPORTS, ETC.

(14) The Presiding Examiner shall report to the Education Department at the close of the examination in the “Remarks” column of the Diagram Blank, any particulars in which the Instructions, etc., were not observed and he shall mention any facts regarding the examination that he deems expedient to have brought before the Board of Examiners. The Presiding Examiner and his assistants shall sign a declaration that in all other respects the Instructions and Regulations were fully complied with.



(15) The presiding Examiner as part of his report to the Department shall send a diagram of each room on the forms provided, showing the position occupied by each candidate and Presiding Examiner during the examination of each Form.

(16) The Presiding Examiner shall not arrange the answer papers according to subjects, but shall arrange them so that the answers of each candidate of each Form shall be sent together and *in the order that their names appear* on the list of candidates for the examination. To facilitate this, elastic bands have been supplied, one for each candidate's set of answers.

(17) The prompt return to the Education Department of the answers at the close of the respective examinations is essential, and may be greatly facilitated if the answers are sorted at the close of each day's examination. All diagrams and reports (*except the tally-lists*) should be forwarded to the Department *by post* on the respective days that the answers are forwarded. The tally-list of each Form should be returned in its respective bag with the candidates' answer-envelopes.

(18)—(a) The answers of the candidates taking the Form I. examination, together with the Form I. tally-list, shall be returned at the close of that examination in the bag marked with *blue*.

(b) The answers of the candidates taking the Form II. examination, together with the Form II. tally-list, shall be returned at the close of that examination in the bag marked with *red*, those for the Commercial Diploma being placed in a *separate parcel*.

(c) The answers of the candidates for Form III. and IV. examinations, together with the Form III. and Form IV. tally-lists, shall be returned at the close of those examinations in the bag marked with *green*.

(d) The answers of scholarship candidates, in the various Form examinations, shall be enclosed in the envelopes specially provided, shall be made up in *separate parcels* and shall be returned to the Department in the bags of their respective Forms..

(e) Each bag shall be so folded and tied that the words "The property of the Education Department" will be outwards. The shipping tag should be securely attached to the strap on each bag.

(f) All express charges must be prepaid, and no commercial value should be placed upon the bags and contents.

(g) All surplus examination papers may be given at the close of the examination to the Principal of the school.

#### EXPENSES OF THE EXAMINATION.

The Treasurer of the High School Board or of the Public School Board of the school where the examination is held shall pay on the certificate of the Public School Inspector, all the expenses of the examination which shall include the following:—

(1) For preparing the lists of candidates, the Inspector shall be entitled to the remuneration of \$2.00, provided that the number of candidates writing does not exceed twenty. For each additional twenty candidates or fraction of that number, the Inspector shall be entitled to an additional dollar. It is to be understood that the number of applications received, and not the Forms for which candidates write, will determine the amount to be paid for this service.

(2) For conducting the examination the Presiding Examiner shall be entitled to \$4.00 a day and actual travelling expenses, which shall include railway fare or the ordinary cost of their conveyance.

(3) For meeting incidental expenses of the examination, the cost of stationery, etc., and the payment of any additional services required during the examination.

#### INSTRUCTIONS TO CANDIDATES.

(1) Each candidate shall satisfy the Presiding Examiner as to his personal identity before the commencement of the second day's examination, and any person detected in attempting to personate a candidate shall be reported to the Department.



(2) Candidates shall be in their allotted places before the hour appointed for the commencement of the examination. If a candidate be not present till after the appointed time, he shall not be allowed any additional time. No candidate shall be permitted, on any pretence whatever, to enter the room after the expiration of an hour from the commencement of the examination.

(3) No candidate shall leave the room within *one hour* after the distribution of the examination papers in any subject; and if he then leave he shall not be permitted to return during the examination on such subject.

(4) Every candidate shall conduct himself in strict accordance with the regulations. Should he give or receive any aid or extraneous assistance of any kind, in answering the examination questions, or should he leave his answer exposed so that any candidate may copy from him he will forfeit any certificate he may have obtained. He shall also be debarred for two years from writing at any examination conducted by the Education Department.

(5) Candidates are reminded that should any candidate be detected in talking or whispering, or making signs to another candidate, or in copying from another, or allowing another to copy from him, or in having in his possession, when in the room, any book, notes, or anything from which he might derive assistance in the examination, it shall be the duty of the Examiner, if he obtain clear evidence of the fact at the time of the occurrence, to cause such candidate at once to leave the room; and such candidate shall not be permitted to enter during the remaining part of the examination, and his name shall be struck off the list. If, however, the evidence be not clear at the time, or be obtained after the close of the examination, the Examiner shall report the case to the Department.

(6) Candidates are also reminded that the Presiding Examiner is not allowed to make *any explanation* or other statement regarding the probable meaning of any question or to *give any advice* as to what questions should be undertaken by the candidates or how any question should be answered.

(7) Should any error appear to have been made in any question paper *no attention* should be drawn to it during the time of the examination by either the Presiding Examiner or any of the candidates. Candidates may, however, at the end of the examination period submit the matter to the Presiding Examiner who, if he considers it necessary, will report on the matter to the Department at the close of the examination.

(8) Every candidate shall write the subject of examination very distinctly at the top of each page of his answer paper, in the middle. If a candidate write his name or initials, or any distinguished sign or mark on his answer papers, or use any other paper or ink than that provided by which his identity might be disclosed, or insert in the envelope any matter not pertinent to the examination, his examination will be cancelled.

(9) Each candidate, in preparing his answers, shall write on one side only of each sheet, shall page the sheets in each subject, shall write distinctly, on the last sheet, the total number of sheets enclosed in the envelope, shall fold them once across, place them in the envelope provided by the Department, seal the envelope, write on the outside of the envelope the subject of examination only, and on the slip provided, his name in full (surname preceding), and then securely fasten the slip to the envelope, as instructed by the Presiding Examiner.

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## EXTRACTS FROM INSTRUCTIONS TO APPLICANTS AND INSPECTORS.

### FEEs.

First Form examination, \$2. Second Form examination, Part I, \$2. Third Form examination, \$5. Fourth Form examination, Parts I and II, each \$3; taken together, \$5. Commercial Diploma examination, \$4, (part \$2). For candidates for examination in the additional subjects (not to exceed three) for pass Matriculation into any University or Learned Profession, the fee shall be \$2. If the fees for a candidate amount to more than \$5, only \$5 will be required.

Attention is directed to the scale of fees to be paid by candidates. When the fee is \$5, \$4, \$3, or \$2, the amount to be sent to the Department is \$3, \$2, \$2, or \$1, respectively. The balance of fees received is to be forwarded to the High School Board or other body that bears the expenses of the examination.

Applications will not be received by the Inspector after the date mentioned, and candidates are reminded that they should in no case forward their applications to the Education Department. If the candidate should, through an oversight, neglect to have his application duly sent to the Inspector, he may present himself at the examination, when the Presiding Examiner is at liberty to admit him, provided there is the necessary accommodation, and that a sufficient number of examination papers has been forwarded. An additional fee of \$1 will be exacted by the Presiding Examiner from a candidate who presents himself in this way.

TORONTO, March, 1899.

## CIRCULAR TO INSPECTORS.

### EMPIRE DAY.

At a meeting of the Dominion Education Association, held at Halifax, Nova Scotia, in August, 1898, the following resolution was unanimously adopted :—

“ Resolved that the Association recommends that the School Day immediately preceding the 24th of May be set apart as ‘ Empire Day,’ and that the Education Departments in the Provinces and Territories be respectfully requested to arrange for such exercises in their respective schools as will tend to the increase of a sound patriotic feeling.”

The Council of Public Instruction for the Province of Nova Scotia and the Protestant Section of the Council of Public Instruction for Quebec, have already acted on the recommendation above stated, and the Education Department of Ontario, on the 1st day of March, 1899, adopted the following Minute :—

“ The School Day immediately preceding the 24th of May shall be devoted specially to the study of the history of Canada in its relation to the British Empire and to such other exercises as might tend to increase the interest of the pupils in the history of their own country and strengthen their attachment to the Empire to which they belong—such day to be known as ‘ Empire Day.’ ”

According to the Minute quoted above, “ Empire Day ” this year falls on Tuesday, the 23rd of May. It is not necessary that I should specify in detail how the day should be observed. The outline given below might be taken generally as a guide to teachers and trustees :—

### THE FORENOON.

Part of the forenoon might be occupied with a familiar talk by the teacher on the British Empire, its extent and resources ; the relation of Canada to the Empire ; the unity of the Empire and its advantages ; the privileges which, as British subjects, we enjoy ; the extent of Canada and its resources ; readings from Canadian and British authors by the teacher ; interesting historical incidents in connection with our own country. The aim of the teacher in all his references to Canada and the Empire should be, to make Canadian patriotism intelligent, comprehensive and strong.

### THE AFTERNOON.

The afternoon, commencing at 2.30 P.M., might be occupied with patriotic recitations, songs, readings by the pupils and speeches by trustees, clergymen and such other persons as may be available.

The trustees and public generally should be invited to be present at these exercises.

During the day the British Flag or Canadian Ensign should be hoisted over the school building.

Will you kindly inform the teachers of your Inspectoral District of the action of the Department and of the purposes of "Empire Day" as herein set forth.

TORONTO, March, 1899.

### INDUSTRIAL ART EDUCATION.

#### *Medals and Certificates.*

The Annual Provincial Examinations in Drawing will be held on the 27th, 28th and 29th of April, 1900. I enclose Time Table.

Under the Departmental regulations for promoting Industrial Art Education in this Province, the pupils of Art Schools, Ladies' Colleges, Public Libraries, and Public and High Schools have the privilege of competing at these examinations for the following Provincial Medals and Certificates:

#### *Medals and Special Certificates.*

\*Gold Medal and Certificate for Advanced Course.

Silver Medal and Certificate for the highest number of marks in the Mechanical Course.

Silver Medal and Certificate for the best original design suitable for industrial purposes, subject optional.

Silver Medal and Certificate for the best original design suitable for industrial purposes, subject optional (for Public Libraries only).

Silver Medal and Certificates for the best specimen of Machine Drawing from models.

Silver Medal and Certificate for the best original drawing in Building Construction or Architecture.

Four Bronze Medals and Certificates for the highest number of marks in the Primary Drawing Course, one each for Art Schools or Ladies' Colleges; Public Libraries; High Schools; Public Schools.

Bronze Medal and Certificate for the best oil or water color painting.

Bronze Medal and Certificate for the best specimen of china painting.

Bronze Medal and Certificate for the best drawing from life.

Bronze Medal and Certificate for the best specimen of wood carving.

Bronze Medal and Certificate for the best specimen of either of the following, namely, wood engraving, photogravure, etching on copper, or drawing for lithography.

\*The competition for Gold Medal includes the following subjects:—

(a) *Drawing from the Antique, full size.* The drawing shall not be less than two feet in height, on white paper, in crayon, either with or without the aid of stump, background shaded or plain, work to be finished in 36 hours, regular school time, without assistance, and certified by the teacher. (b) *Original Design.* This is to be executed on paper supplied by the Department; size of drawing not less than six inches by four inches, time four hours. The designs recommended are those suitable for wall paper, carpets, oil cloths, etc. Samples of work done during the session must be sent to the Department for examination in (c) *Shading from the Antique*, (d) *Outline from the Antique* and (e) *Industrial Design.* There is no restriction as to the manner of execution, nor the time occupied in the sessional work, but every drawing must be certified by the teacher as the work of the pupil.



Bronze Medal and Certificate for the best specimen of modelling in clay.

*Teachers must certify that the work, except time studies sent in for examination, was done by the pupils without assistance.*

#### *Special Certificates.*

*Special Certificates* will be awarded for Industrial Design, Wood Carving, Engraving on Wood and Copper, Photogravure, Lithography, Modelling in Clay, Drawing from the Antique, Oil Color Painting, Water Color Painting, Monochrome Painting, and Sepia Drawing.

The holders of Full Certificates are legally qualified to teach Drawing in the Public, High and Art Schools, Public Libraries; and the Education Department requires candidates for Commercial Specialists Certificates to hold in addition to other qualifications, Art School Certificates in Primary and Advanced Geometry and Perspective, also in Model Drawing and Memory or Blackboard Drawing.

As the examination papers are now being prepared for the printer you will oblige by informing me, without delay, how many pupils in your School will take the departmental examinations in the Primary and Advanced Courses.

On receipt of your reply, blank forms of application will be sent you which must be filled in and sent to this Department not later than the 4th of April. The examination papers are sent from the Education Department free, and the only expense to a school holding examinations is the payment of a presiding examiner appointed by the Minister.

TORONTO, March, 1899.

### SPECIALISTS' CERTIFICATES.

#### INFORMATION FOR CANDIDATES.

##### *Non-Professional Qualifications.*

The regulation dealing with the requirements is No. 51 of the Revised Regulations which were adopted in 1896. That Regulation reads as follows:

Any person who obtains an Honor Degree in the department of English and History, Moderns and History, Classics, Mathematics, or Science as specified in the calendars of any University of Ontario, and accepted by the Education Department, shall be entitled to the non professional qualification of a specialist in such department. A graduate who has not taken an Honor Degree in one of the above courses shall be entitled to the non-professional standing of a specialist on submitting to the Department of Education a certificate from the Registrar of the University that he has passed, subsequent to graduation, the examinations prescribed for each year of the Honor course of the department for which he seeks to be recognized as a specialist, and which he has not already passed in his undergraduate course; or any examination which is recommended by the University as equivalent thereto and accepted as such by the Education Department.\*

\*The following recommendation of the Minister has been approved August 24, 1899, by a minute of the Education Department:—

The undersigned has the honor to report that the course for specialists in English and History, as accepted by the Education Department, under the provisions of Regulation 51, appears first in the calendar of the University of Toronto in 1895-6, and that this course for specialists includes Honors in English, History, Latin and Greek throughout the four years of the course; that students who were undergraduates of the University prior to 1896 had not the opportunity of taking the regular Honor Course in said department in pursuing the course in English and History, and should they take the course now, as provided in said Regulation of the Education Department, they would take—what is now required in connection with the other courses for specialists—four years' Honors in extra subjects, namely, Latin and Greek, as well as four years' Honors in English and History.

In view of these circumstances, the undersigned recommends that any candidate for a certificate as a specialist in English and History, who was an undergraduate of Toronto University prior to 1896 (and of such other Universities as have entered into agreement with the Education Department in this regard), be exempted from the Latin and Greek Honor examinations required for the English and History course by the terms of said Regulation of the Education Department.

Hereafter all candidates for the non-professional standing of specialists must submit to the Educational Department a certificate from the Registrar of the University showing that they have complied with the requirements agreed to by the Education Department and the University concerned. All enquiries regarding the courses accepted should be addressed to the University.

#### *Professional Qualifications.*

Every candidate for the professional examinations must hold the necessary non-professional standing before writing at the examinations at the Normal College for a specialist's certificate. The holder of an Assistant High School Teacher's Certificate who has the necessary non-professional standing is not required to attend the Normal College, but may write at the examination for specialist on the paper in "Methods" only. This paper may be taken at Hamilton or at any other place in the Province if the candidate makes arrangements with the Public School Inspector to preside. The department must be informed of such arrangements at least one month before the examination.

#### *Public School Inspector's Certificates.*

Regulation 89. Any person with five years successful experience as a teacher, of which at least three years shall have been in a Public School; who holds either specialists non-professional standing obtained on a University examination, or a Degree in Arts from any University in Ontario with first class graduation honors in one or more of the other recognized departments in such University; and who has passed the examinations of the Ontario Normal College for a specialist's certificate, shall be entitled to a certificate as an inspector of Public Schools.

#### *Commercial Specialists.*

Regulation 52. Any person who passes an examination in the subjects set forth in Schedule C—course for Commercial Specialists (each subject to be valued at 100), and who is the holder of a High School Assistants' Certificate obtained either before or after passing such examination, shall be entitled to a Commercial Specialist's Certificate.

#### SCHEDULE C.

*Bookkeeping.*—Single and double entry bookkeeping; wholesale and retail merchandising, commission business, manufacturing; warehousing, steamboating, exchange, joint stock companies, municipalities, societies and public institutions. statements and balance sheets, partnership adjustments, liquidation and administration of estates, auditing, filing papers, and the use of special columns and the various other expedients in book-keeping to save time and labor and secure accuracy of work.

*Penmanship.*—Theory and practice of penmanship, Spencerian and vertical; ledger headings; marking and engrossing.

*Commercial Arithmetic.*—Interest, discount, annuities certain, sinking funds, formation of interest and annuity tables, application of logarithms, stock and investments, partnership settlements, partial payments, equation of payments and exchange.

*Banking.*—Money and its substitutes; exchange; incorporation and organization of banks; business of banks, their relation to each other and to the business community; the clearing house system; legal requirements as to capital, shares, reserves, dividends, note issue: insolvency and consequent liability.

*Business Forms.*—Invoices, accounts, statements, due bills, orders, receipts, warehouse receipts, deposit receipts, deposit slips, bank pass books, promissory notes, bills of exchange, bank drafts, cheques, bonds, debentures, coupons, instalment scrips, stock certificates, stock transfers, proxies, letters of credit, affidavits, balance sheets, pay sheets, time sheets and special forms of general bookkeeping, books to suit special cases.



*Law of Business.*—Contracts, statute of limitations ; negotiable paper and endorsements ; sales of personal property ; accounts, invoices, statements, etc. ; chattel mortgages ; real estate and mortgages ; interest ; agency ; partnership ; corporations ; guarantee and suretyship ; receipts and releases ; insurances ; master and servant ; landlord and tenant ; bailment ; shipping and transportation ; host and guest ; telegraphs ; auctions ; patents ; copyrights ; trade marks and industrial designs ; affidavits and declarations ; subjects and aliens ; wills, and joint stock companies.

*Stenography.*—The principles of Stenography ; writing from dictation at a speed of sixty words per minute, and accurate transcription into longhand at a speed of twelve words per minute ; the dictated matter to comprise business correspondence or legal documents.

*Drawing.*—Object and Model Drawing ; Prospective and Geometrical Drawing.

The examination in Drawing will be on the papers used at the Art School examinations in Primary and advanced Geometry and Perspective and in Model, Memory and Blackboard Drawing.

For the rest of the course the examinations will be held in July, and application with the fee of \$5 should be sent to the Public School Inspector not later than the 24th of May.\*

TORONTO, April, 1899.

## EXAMINATIONS FOR TEACHERS OF FRENCH-ENGLISH SCHOOLS.

Unless otherwise legally qualified for Ontario, all teachers in French-English Schools, Public or Separate, in Nipissing District, will be required to pass an examination as herein detailed. The certificates granted to successful candidates will be valid for one, two or three years, depending upon the standing obtained, and will be accepted only in schools where French is required to be taught in addition to English. Teachers of such schools who may fail to present themselves at this examination will not be given permission to teach after July, 1899.

### LIMITS OF EXAMINATION.

*Text-Books*

*Reading.*—Oral reading.

High School Reader.

*English Grammar and Rhetoric*—Etymology and Syntax, including the inflection, classification, and elementary analysis of words and the logical structure of the sentence ; rhetorical structure of the sentence and paragraph ; exercises chiefly on passages from authors not prescribed.

Public School Grammar.

*English Composition.*—Essays on familiar subjects ; familiar letters.

*English Poetical Literature*—Intelligent and appreciative comprehension of the prescribed texts ; memorization of the finest passages ; supplementary reading from authors prescribed by the teacher ; oral reading of the texts. The examination in literature will consist of "sight work" as well as on questions on the prescribed texts.

High School Reader.

*History.*—The History of Canada ; British History.

Public School History.

\*Books of reference recommended by the examiners :—

The Canadian Accountant. By Beatty and Johnson.

Expert Bookkeeping. By C. A. Fleming, Owen Sound.

The Theory of Finance. By Geo. King. C. & E. Layton, Farringdon St., London, E.C.

Money and the Mechanism of Exchange. By W. S. Jevons. The Humboldt Publishing Co., New York.

Banking Act of 1890. The Carswell Co., Adelaide St., Toronto, Ont.

The Laws of Business. By C. A. Fleming.

Expert Bookkeeping. By C. A. Fleming.

Complete Phonographic Instructor. By Sir I. Pitman.



*Geography.*—The building up of the earth ; its land surface ; the ocean ; comparison of continents as to physical features, natural products and inhabitants ; relations of physical conditions to animal and vegetable products, and of natural products and geographical condition to the occupations of the people and national progress. Form, size and motions of the earth ; lines drawn on the map, with reasons for their position ; relations of the positions of the earth with respect to the sun, to light and temperature ; the air ; its movements ; causes affecting climate. Natural and manufactured products of the countries of the world, with their exports and imports ; transcontinental commercial highways and their relation to centres of population ; internal commercial highways of Canada and the chief internal commercial highways of the United States ; commercial relations of Great Britain and her colonies. Forms of governments in the countries of the world and their relation to civilization.

Public School Geography.  
Text Books.

*Arithmetic and Mensuration.*—Proofs of elementary rules in arithmetic ; fractions (theory and proofs) ; commercial arithmetic ; mensuration of rectilinear figures.

*Drawing.*—Object and model drawing ; High School Drawing Course, Books Nos. 1 and 2.

Public School  
Drawing  
Course.

*Bookkeeping.*—Bookkeeping by single and double entry ; commercial forms, such as drafts, notes and cheques ; general business transactions. The bookkeeping shall be specially suitable for farmers and artisans or for retail merchants and general traders.

High School  
Bookkeeping.

*French Grammar.*

Robert.

*French Composition.*

#### ENGLISH LITERATURE SELECTIONS.

1899.—V. To Daffodils ; XVIII. Rule, Britannia ; XX. The Bard ; XXXI. To a Highland Girl ; XXXV. The Isles of Greece ; XLIX. Indian Summer ; LII. The Raven ; LIV. My Kate ; LXII. The Cane-Bottomed Chair ; LXVII. The Hanging of the Crane ; LXIX. As Ships Becalmed at Eve ; CV. The Return of the Swallows.

1900.—V. To Daffodils ; XX. The Bard ; XXXI. To a Highland Girl ; XXXIV. The Well of St. Keyne ; XXXVI. Go where Glory Waits Thee ; XXXVII. Dear Harp of My Country ; XLI. The Cloud ; XLVI. The Bridge of Sighs ; LI. Horatius ; LXVII. The Hanging of the Crane ; LXXIX. The Lord of Burleigh ; LXXXI. The " Revenge."

In French Grammar and Composition the papers will be those prepared for the French Model Schools in Ottawa and Plantagenet. In all other subjects the papers will be those set for the Public School Leaving Examination.

Candidates who are not familiar with the scope and nature of the Examination may derive some help from a study of the Public School Leaving papers of former years, which may be obtained at twenty-five cents (25c.) a set from Messrs. Rowsell & Hutchinson, No. 76 King St. East, Toronto.

This examination will be held at Mattawa, North Bay, and Sudbury, beginning on June 28th, at 8.45 a. m.

Applications should be made not later than May 24th, to the Rev. George Grant, B. A., Inspector of Public Schools, Orillia. The fee of \$1 must accompany each application.

TORONTO, April, 1899.

## DEPARTMENTAL REGULATIONS.

*Approved, August, 1899.*

## TEXT-BOOKS AUTHORIZED FOR USE IN PUBLIC SCHOOLS, HIGH SCHOOLS AND TRAINING SCHOOLS.

1. The text books named in Schedule "A" shall be the authorized text-books for Public Schools. Pupils taking any optional subject in the Public School course may use the text-book authorized in such optional subject. The text-books in French and German are authorized only for schools where the French or German language prevails, and where the Trustees, with the approval of the Inspector, require French or German to be taught in addition to English. Text-books marked "optional" shall be introduced into the Public Schools only by resolution of the Board of Trustees. Books authorized in Forms I. and II. of the High School course may be used by pupils taking the corresponding subjects of Continuation classes.

2. The text-books named in Schedule "B" shall be the only authorized text-books in High Schools and Collegiate Institutes for the course of study prescribed in Forms I., II., and III. Books authorized for use in the Public Schools may be used in Forms I. and II.

3. The text-books named in Schedule "C" shall be the authorized text-books for Model Schools, Normal Schools and the Ontario Normal College. Only such books shall be used by the teachers-in-training as may be ordered by the Principal.

4. Any text-books used in any school on the 1st of July, 1899, and recommended by resolution of the Trustees to be continued in use, shall be deemed as authorized in such school until further notice. The vertical or slanting copy books heretofore authorized, and published by the Rose Publishing Company, may be used in any Public School.

5. For religious instruction, either the Sacred Scriptures or the Scripture Readings adopted by the Education Department, shall be used as prescribed by the Regulations of the Education Department.

## PUBLIC SCHOOLS. (SCHEDULE A.)

First Reader, Part I. ....	\$0 10
First Reader, Part II. ....	0 15
Second Reader. ....	0 20
Third Reader. ....	0 30
Fourth Reader. ....	0 40
High School Reader. ....	0 50
Public School Arithmetic. ....	0 25
Public School Algebra and Euclid. ....	0 25
Public School Geography. ....	0 75
Public School Grammar. ....	0 25
Public School History of England and Canada. ....	0 30
History of the Dominion of Canada Clement (for Fifth Form). ....	0 50
Public School Drawing Course, each Number. ....	0 05
Public School Physiology and Temperance. ....	0 25
Public School Copy Book—Casselman. ....	0 07
Practical Speller—Gage. ....	0 25
Public School Agriculture. ....	0 30
Public School Domestic Science (optional). ....	0 50

*French-English Readers.*

First Reader, Part I.....	\$0 10
First Reader, Part II.....	0 15
Second Reader.....	0 25
Third Reader.....	0 35

*German-English Readers.*

Ahn's First German Book.....	\$0 25
Ahn's Second German Book.....	0 45
Ahn's Third German Book.....	0 45
Ahn's Fourth German Book.....	0 50
Ahn's First German Reader.....	0 50

## HIGH SCHOOLS AND COLLEGIATE INSTITUTES. (SCHEDULE B.)

*English.*

High School Reader.....	\$0 50
High School English Grammar.....	0 75
High School English Composition.....	0 50
High School Composition from Models.....	0 75

*History and Geography.*

High School Geography.....	\$1 00
High School History of England and Canada.....	0 65
High School History of Greece and Rome.....	0 75
History of the Dominion of Canada—Clement.....	0 50

*Mathematics.*

High School Arithmetic.....	\$0 60
High School Algebra.....	0 75
Elements of Algebra, McLellan.....	0 75
High School Euclid (Books I., II., III., 50 cents).....	0 75

*Classics.*

First Latin Book.....	\$1 00
Primary Latin Book.....	1 00
High School Beginner's Greek Book.....	1 50

*Moderns.*

High School French Grammar.....	\$0 75
High School French Reader.....	0 50
High School German Grammar.....	0 75
High School German Reader.....	0 50

*Science.*

High School Physical Science. Part I., 50 cents ; Part II.....	\$0 75
High School Botanical Note Book, Part I., 50 cents ; Part II.....	0 60
High School Botany, Part II.....	0 60
High School Chemistry.....	0 50

*Bookkeeping and Drawing.*

High School Bookkeeping (after 1st Jan., 1900, 60 cents).....	\$0 65
Authorized Bookkeeping Exercises and Blank Book.....	0 25
High School Drawing Course, each number.....	0 10

*Cadet Drill.*

High School Cadet Drill (optional).....	\$0 40
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## TRAINING SCHOOLS. (SCHEDULE C.)

*County Model Schools.*

School Management, Millar. ....	\$1 00
Methods in Teaching, Edited by Tilley .....	1 50
Public School Physiology and Temperance .....	0 25
Psychology applied to Teaching, Baldwin .....	1 50
Steps in the Phonic System, Cullin & Niven.....	0 50
Elementary Phonetics, Burt.....	0 35
Mental Arithmetic, McLellan & Ames.....	0 30
Algebraical Exercises, Barnes .....	0 30

*Normal Schools.*

Lectures on Teaching, Fitch .....	\$1 00
School Management, Millar.....	1 00
Educational Reformers, Quick .....	1 50
Applied Psychology, McLellan.....	1 00
First Year at School, Sinclair.....	0 50
High School Cadet Drill Manual.....	0 40
Hints on Teaching Arithmetic, McLean.....	0 50
Public School Domestic Science.....	0 50

*Ontario Normal College.*

Applied Psychology, McLellan .....	\$1 00
Education, Spencer .....	0 50
School Management, Millar .....	1 00
School Management, Landon .....	1 50
Educational Reformers, Quick.....	1 50
High School Cadet Drill Manual.....	0 40
Physical Culture, Houghton.....	0 50
Physical Education, McLaren, Part II., sections II. and III.....	2 00

## TEACHERS' READING COURSE FOR 1900. (SCHEDULE D.)

Study of the Child (Taylor) .....	\$1 25
History of Education (Painter) .....	1 50
Canadian Citizenship (Millar) .....	0 60

NOTE—Candidates for admission to the Normal Schools in August, 1900, and in January, 1901, will be examined on the Books in the Teachers' Reading Course as above.

✎ "Thomas and Matthew Arnold" (Fitch), in "The Great Educators" series may be substituted for Paynter's "History of Education."

The following work was inadvertently omitted from the list of books for County Model Schools:—"An Elementary Treatise on Arithmetic for use in Public and Model Schools of Ontario," by Wilson Tayler, B.A. (Price 50 cents.)

TORONTO, August, 1899.

## MEMORANDUM—COUNTY MODEL SCHOOLS.

## DIRECTIONS TO BOARDS OF EXAMINERS.

1. The attention of Boards is directed to the provisions of Regulations (57-65) and to the information in the Model School Calendar.

2. If a Primary, Junior Leaving, or Senior Leaving Certificate is not presented, Regulations (45-49) will show the certificates that give the equivalent standing. It will be understood that a Form I., a Commercial or a District Certificate, is accepted in lieu

of a Public School Leaving Certificate, and that a Form II. Certificate or a Primary Certificate granted in 1896 covers a Part I. of Form II. Certificate.

3. It should be understood that County Boards of Examiners are not allowed to award Third-class Certificates to candidates who do not make the higher percentage required by Regulation 63. A District Certificate shall not be granted under this section of the Regulation unless there is a scarcity of teachers, and until the consent of the Department has been first obtained.

4. Renewals (Regulations 87) are now limited to the County and cannot be endorsed for another County. It is presumed that each Board will consider the interests of the schools of the County. If Renewals are granted the grounds in each case should be stated. The Renewals granted will include any certificates "extended" as provided for in the same Regulation. All applications for Renewals should be made to the Public School Inspector, who will bring requests of the kind before the County Board of Examiners.

5. It is recommended that a Renewal be granted, if requested, in the case of any certificate expired when the candidate made application to attend the Normal School, but was informed that no more students could be admitted on account of lack of accommodation.

6. It will be the duty of the Board (Regulation 59) to grant no certificate to a candidate who will not be 18 years of age before the first of January next.

7. Answer papers, with the Model School Principal's report, are to be retained by the Board. The former may be destroyed after the first of March following.

8. The Board is requested to fill out the Official Report with all details asked for, and to forward it to the Education Department *not later than* the 31st of December.

TORONTO, September, 1899.

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## AMENDMENTS TO REGULATIONS FOR 1900.

APPROVED AUGUST, 1899.

For the academic year 1899-1900, the following modifications are made in the \*Revised Regulations which came into force in October, 1896:

### PUBLIC SCHOOL COURSE OF STUDY.

The public School course of study is amended so as to include Agriculture among the obligatory subjects in all rural schools for Forms IV. and V., for the latter Form the text-books are to be used by the pupils, but for the former the instruction is to be by conversation only. Agriculture will remain optional for all Public Schools in urban municipalities. Needle-work, Domestic Economy, and Manual Training may be taken up in urban schools with the approval of the trustees. In Poetical Literature the course for Form V. will embrace such selections from the High School Reader as are recommended by the teacher. No special selections are prescribed by the Department. Where the trustees have provided books for Supplementary Reading, such works as are recommended by the teacher, under the direction of the Inspector, may also be read.

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\*A copy of the High and Public Schools Acts, including the Regulations, was sent in 1896 to each High, Public and Separate School Board; to each Principal of a Collegiate Institute or High School; to each Principal of a County Model School, and to each Public School Inspector. As only a limited supply of the Regulations can be furnished, reference should be made to the copies already sent as above mentioned. The selections in Literature for the High School Entrance examination have been printed in the school registers.



## HIGH SCHOOL COURSE OF STUDY.

The High School course of study is amended by making Bookkeeping obligatory, and by adding Agriculture and Manual Training to the list of optional subjects. In Poetical Literature for Forms I and II, no special texts are prescribed by the Department, but the pupils shall study such selections from the High School Reader as may be recommended by the Principal, together with such books for Supplementary Reading as he may recommend, and which may be obtained from the Library of the School. Any subject prescribed for a Form may be continued in a higher Form at the option of the Principal. In the case of pupils preparing for University Matriculation or taking the course for a Commercial Diploma, or where the Board introduces Manual Training or any other branch of technical education, on the recommendation of the Principal, less time may be given by the pupils concerned to one or more of the obligatory subjects of the High School course so as to meet as far as practicable the aims of the pupils.

## CONTINUATION CLASSES.

Under the provisions of the Amendment of 1899 to the Public Schools Act, the course of study (Regulation 20) for Continuation Classes is extended to include the subjects prescribed for Form II of the High School course. More advanced work of the High School may be taken up if requested by the Trustees and approved by the Public School Inspector. In Class (a) the Principal must give regular instruction only to pupils of Form V or to those doing higher work. In the other classes, the teachers must have such qualifications as are approved by the Public School Inspector.

Hereafter (Regulation 21) there will be four grades of Continuation Classes, viz.:—  
(a) Schools in which the Principal holds a First Class Certificate (unless occupying the position since April, 1899,) and gives regular instruction only to pupils of Form V or to those doing higher work. (b) Schools in which there are at least two teachers, and a class in regular attendance of at least ten pupils who have passed the High School Entrance examination. (c) Schools in which there at least five; and (d) in which there are at least three, who have passed the High School Entrance examination, and are in regular attendance.

No grant will be paid for Continuation Classes unless the Inspector (who shall examine the statements signed, as hereinafter mentioned, by the Principals and Chairmen of the Boards) reports that the obligatory subjects, whether prescribed for examination purposes or not, have received proper attention. The grant will be paid according to the nature and extent of the work done, and not on the results of examinations. In order that a school may obtain the grant, it will be necessary that the minimum number of pupils be enrolled during each month of the full academic year ending in June.

## HIGH SCHOOL ENTRANCE EXAMINATION.

At the High School Entrance Examination the paper in Arithmetic will include such questions as will specially test the accuracy of the candidates in the simple rules, as well as their knowledge of the subject, and the paper in Dictation will call for the study of the authorized spelling book. In other respects the course prescribed, the number and values of the papers, and the mode of conducting the examination, will be the same as heretofore. (Regulations 23-27.)

## PRIMARY STANDING.

No examination will be held in Part II of Form II, as defined in Regulation 43, and no certificates that give mere Primary standing (Regulations 45, 48 and 49) will be issued. Except as herein mentioned, and unless the classification should require, no change is made in the course to be taken up in Forms I and II of the High Schools, or for Continuation Classes in Public Schools, by the abolition of the Primary examination.



A Form II (or a Part I Form II) certificate, will give Part I of Junior Leaving Standing as hereinafter defined. The same certificate, alone, will give the same standing, if endorsed and certified to after June, 1900, by any High School Principal or Public School Inspector with a statement that the holder has taken the required course in the additional subjects (Drawing, Book-keeping, Reading, etc.), omitted as examination subjects in 1900.

#### PUBLIC SCHOOL LEAVING EXAMINATION.

The Public School Leaving examination will hereafter be identical with the examination prescribed for Part I, of the Junior Leaving Standing. Public School Leaving certificates will be issued by the Public School Inspector to all pupils of Public Schools in his inspectorate who pass the examination of Part I of Junior Leaving Standing. The present holders of Public School Leaving certificates will be entitled to certificates of having passed the examination of Part I of Junior Leaving Standing by passing the examinations in Arithmetic and Mensuration, Grammar and History, the prescribed percentage on the total of these subjects being also exacted.

#### FORM I. EXAMINATION.

There will no longer be held examinations for the High School Form I, but holders of Form I. certificates will be entitled to certificates of having passed the examination of Part I. of Junior Leaving Standing by passing in the subjects of Arithmetic and Mensuration, Grammar and History, the prescribed percentage on the total of these subjects being also required.

#### DISTRICT CERTIFICATES.

A certificate of having passed the subjects of Part I. of Junior Leaving Standing will be accepted for the non-professional requirements for a District Certificate. (Regulation 63.)

#### JUNIOR LEAVING STANDING.

Hereafter Junior Leaving Standing will be obtained only by passing in the prescribed subjects at one examination, or in two Parts (I. and II.) as defined below, which may be taken in different years.

Unsuccessful candidates at any previous Junior Leaving examination will be allowed to write in 1900 for Junior Leaving Standing by selecting the same options as were allowed in 1899.

#### PART I., JUNIOR LEAVING STANDING.

The subjects prescribed for Part I. of Junior Leaving Standing are the following: Reading, Drawing, Geography, Botany (or Agriculture), Writing with Book keeping and Commercial Transactions, English Grammar, English Literature, Arithmetic and Mensuration, English Composition, and History. The course in Agriculture will include what is taken up in the authorized text book as far as page 73. The course in the other subjects will be based as heretofore upon the work prescribed in the Regulations for Forms I. and II., subject to requirements for examinations hereinafter mentioned. For 1900 no examinations will be held in Reading, English Literature, Drawing, Book-keeping, Botany or Agriculture, but no name of a student who has not given due attention to these subjects is to be included in the confidential report of the Principal.

No grant to a High School or to a Continuation Class will be paid until the Principal and Chairman of the School Board report that each obligatory subject of the course, whether prescribed for examinations or not, has, in their judgment, received due attention on the part of the pupils while attending school.

It is expected that throughout the course, until pupils have completed what is required for Part I. of Junior Leaving Standing, at least two half-hour periods per week shall be given regularly to Reading, and an equal time to English Literature. Regarding Drawing, Book-keeping, Botany or Agriculture, at least two half-hour periods per week for each of these subjects are to be given regularly to pupils enrolled in Form I. of the High School or Form V. of the Public School; that is practically during the first year of the course in preparation for Part I. of Junior Leaving Standing.

#### EXAMINATION REQUIREMENTS.

(Part I, Junior Leaving Standing.)

##### *Geography.*

The building up of the earth; its land surface; the ocean; comparison of continents as to physical features, natural products and inhabitants; relations of physical conditions to animals and vegetable products, and of natural products and geographical condition to the occupations of the people and national progress. Form, size and motions of the earth; lines drawn on the map, with reasons for their position; relation of the positions of the earth with respect to the sun, to light and temperature; the air; its movements; causes affecting climate. Natural and manufactured products of the countries of the world, with their exports and imports; transcontinental commercial highways and their relation to centres of population; internal commercial highways of Canada and the chief internal commercial highways of the United States; commercial relations of Great Britain and her colonies. Forms of governments in the countries of the world and their relation to civilization. One examination paper.

##### *Arithmetic and Mensuration.*

Proofs of elementary rules in Arithmetic; fractions (theory and proofs); commercial Arithmetic; mental Arithmetic; Mensuration of rectilinear figures. One examination paper. (The questions will call for accuracy and will have special reference to the requirements of ordinary life).

##### *English Grammar.*

Etymology and Syntax, including the inflection, classification, and elementary analysis of words and the logical structure of the sentence and paragraph; exercises chiefly on passages from authors not prescribed. One examination paper. (The questions will call for such an elementary knowledge of the subject as will be of special value in the ordinary use of the language).

##### *English Composition.*

For examination purposes an essay of about two pages of foolscap on one of the themes prescribed by the examiners will be required. The penmanship, spelling, punctuation, construction of sentences, the logical arrangement of the thought, the literary accuracy and aptness of the language, and the general plan or scope of the whole essay will be especially considered by the examiners. One examination paper.

##### *History of Great Britain and Canada.*

Great Britain and Canada from 1763 to 1885, with the outlines of the preceding periods of British History.

The Geography relating to the History prescribed. One examination paper.

#### PART II., JUNIOR LEAVING STANDING.

The subjects prescribed for Part II. of Senior Leaving Standing are the following (Regulations 46 amended): English Grammar and Rhetoric, English Composition, English Literature, Ancient History, Arithmetic and Mensuration, Algebra, Geometry, Physics

and Latin, and one of the following groups :—(a) French and Greek ; (b) German and Greek ; (c) French, German and Chemistry ; (d) French, Physics and Chemistry ; (e) German, Physics and Chemistry ; (f) Botany, Physics and Chemistry.

A candidate, who has already obtained a certificate of having passed Part I. of Form II., will not be required to take the papers in Arithmetic and Mensuration, English Grammar and Rhetoric, and the obligatory Physics.

### EXAMINATION REQUIREMENTS.

(Part II., Junior Leaving Standing.

#### *English.*

ENGLISH GRAMMAR AND RHETORIC : Etymology and Syntax, including the inflection, classification and elementary analysis of words, and the logical structure of the sentence ; rhetorical structure of the sentence and paragraph : exercises chiefly on passages from authors not prescribed ; the main facts in the development of the language. One examination paper.

COMPOSITION : An essay, to which special importance will be attached, on one of several themes set by the examiners. In order to pass in this subject, legible writing, correct spelling and punctuation, and proper construction of sentences are indispensable. The candidate should also give attention to the structure of the whole essay the effective ordering of the thought, and the accurate employment of good English vocabulary.

About two pages of foolscap is suggested as the proper length for the essay ; but quality, not quantity, will be mainly regarded. One examination paper.

LITERATURE : Such questions only shall be set as may serve to test the candidate's familiarity with, and intelligent and appreciative comprehension of the prescribed texts. The candidate will be expected to have memorized some of the finest passages. In addition to the questions on the prescribed selections, others shall be set on a "sight passage" to test the candidate's ability to interpret literature for himself. One examination paper.

1900.

LONGFELLOW : Evangeline. A Psalm of Life, Wreck of the Hesperus, "The Day is Done," The Old Clock on the Stairs, The Fire of Driftwood, Resignation, The Warden of the Cinque Ports, Excelsior, The Bridge, A Gleam of Sunshine.

WORDSWORTH : The Education of Nature ("Three years she grew"), "She was a phantom of delight," A Lesson ("There is a flower, the Lesser Celandine"), To the Skylark, The Green Linnet, To the Ouckoo, To the Daisy, and the following Sonnets, To a Distant Friend ("Why art thou silent"), England and Switzerland ("Two voices are there"), "Milton, thou shouldst be living at this hour," Westminster Bridge, The Inner Vision ("Most sweet it is, with unuplifted eyes"), "O Friend ! I know not which way I must look," To Sleep, Within King's College Chapel.

1901.

TENNYSON : Elaine, Lady of Shalott, St. Agnes' Eve, Sir Galahad, Lotos-Eaters, Ulysses, Crossing the Bar, Early Spring, "You ask me why," "Of old sat Freedom," "Love thou thy land," the six interlude songs and "Tears, idle tears," in "The Princess."

1902.

SCOTT : Lay of the Last Minstrel.

#### *Ancient History.*

(1) General outlines of Greek History to the Battle of Chaeronea, 338 B.C.

(2) General Outlines of Roman History to the Death of Augustus, authorized textbook, omitting :—



(1) Greek History—Chaps. II., III., VI., VII., XI., XII., XXIV., XXX., XXXI.

(2) Roman History—Chap. II., III., IV., V., XXIX.

NOTE—It is desirable, however, that the teacher make oral use of such portions of the omitted chapters as are necessary to make clear the historical connections between important events.

One examination paper.

### *Mathematics.*

ARITHMETIC AND MENSURATION. Proofs of elementary rules in Arithmetic: fractions (theory and proofs); commercial Arithmetic; mental Arithmetic; Mensuration of right parallelopipeds, pyramids and prisms; the circle, sphere, cylinder and cone. One examination paper.

ALGEBRA: Elementary Rules; Highest Common Measure; Lowest Common Multiple; Fractions, Square Root; Simple Equations of one, two and three unknown quantities; Indices; Surds; Quadratics of one and two unknown quantities.

One examination paper.

GEOMETRY; Euclid, Books I., II., and III.; easy Deductions.

One examination paper.

### *Elementary Experimental Science (Physics).*

Use of metre rule; use of calipers and vernier for more accurate metric measurements (*e. g.*, diameters of wires, thickness of glass, plates, etc.); numerical calculations in the metric system.

Use of balance.

Specific gravity, by specific gravity bottle and hydrostatics balance, of liquids and of solids.

Boyle's law; barometer; diffusion of gases.

Use of Fahrenheit and Centigrade thermometers; determination of zero and boiling point; boiling point dependent on pressure.

Expansion of solids, liquids and gases; examples.

Specific heat; latent heat; easy numerical examples.

Transmutation of matter; indestructibility of matter.

Solution, precipitation, crystallization and evaporation.

One examination paper.

### *Latin.*

Translation into Latin of English phrases and easy sentences to illustrate Latin accidence and the common rules of Latin syntax.

Translation into Latin of easy narrative English based upon the first twenty-five chapters of the prescribed *Cæsar*.

Translation at sight (with the aid of vocabularies) from some easy prose author.

Translation from prescribed texts, with grammatical and other questions naturally arising from the extracts set for translation.

The following are the texts prescribed:—

1900: VERGIL, *Aeneid*, Bk. II; CAESAR, *Bellum Gallicum*, Bk. V.

1901: VERGIL, *Aeneid*, Bk. II; CAESAR, *Bellum Gallicum*, Bks. II, III.

1902: CORNELIUS NEPOS, *Lives of Themistocles, Aristides and Hannibal*; CAESAR, *Bellum Gallicum*, Bk. IV (omitting Chap. 17) and Bk. V. Chaps. 1-23; VERGIL, *Aeneid*, Bk. II (1-505).

Two papers will be set: (1) Translation of English into Latin, (2) Prescribed texts and translation at sight, with questions on Grammar, etc.

N. B.—The Roman method of pronouncing Latin is recommended.

*French.*

The candidate's knowledge of French will be tested by: (1) simple questions on grammar, (2) the translation of simple passages from English into French, (3) translation at sight of easy passages from modern French and (4) and examinations on the following texts:—

1900: ENAULT, *le Chien du capitaine*; FEUILLET, *la Fée*.

1901: DE MAISTRE, *Voyage autour de ma chambre*; LABICHE, *la Grammaire*.

1900: LAMENNAIS, *Paroles d'un croyant*, Chaps. VII and XVII; PERRAULT, *le Maître Chat ou le Chat Botté*; DUMAS, *Un nez gelé*, and *la Pipe de Jean Bart*; ALPHONSE DAUDET, *la Dernière classe*, and *la Chèvre de M. Seguin*; LEGOUVÉ, *la Patte de dindon*; POUVILLON, *Hortibus*, LOTI, *Chagrin d'un vieux forcat*; MOLIERE, *l'Avare*, Acte III, sc. 5 (*Est ce à votre cocher . . . sous la mienne*). VICTOR HUGO, *Waterloo*, Chap. IX; ROUGET DE L'ISLE, *la Marseillaise*; ARNAULT, *la Feuille*; CHATEAUBRIAND, *l'Exilé*; THÉOPHILE GAUTIER, *la Chimère*; VICTOR HUGO, *Extase*; LAMARTINE, *l'Automne*; DE MUSSET, *Tristesse*; SULLY PRUDHOMME, *le Vase brisé*; LA FONTAINE, *le Chêne et le Roseau*.

MADAME EMILE DE GIRARDIN, *la Joie fait peur*.

Two papers will be set; (1) prescribed texts and translation at sight; questions on Grammar; (2) the translation of English into French.

*Greek.*

Translation into English of passages from prescribed texts.

Translation at sight (with the aid of vocabularies) of easy Attic prose to which special importance will be attached.

Grammatical questions on the passages from prescribed texts will be set, and such other questions as arise naturally from the context.

Translation from English into Greek of sentences and of easy narrative passages based upon the prescribed prose texts.

The following are the prescribed texts:

1900: Selections from XENOPHON, *Anabasis I*, in *White Beginner's Greek Book* (pp. 304-428) with the exercises thereon; HOMER, *Iliad I*.

1901: Selections from XENOPHON, *Anabasis I*, in *White Beginner's Greek Book* (pp. 304-428) with the exercises thereon; HOMER, *Iliad I*.

1902: Selections from XENOPHON, *Anabasis I*, in *White's Beginner's Greek Book* (pp. 304-428) with the exercises thereon, HOMER, *Iliad VI*.

Two papers will be set: (1) prescribed texts and translation at sight; questions on Grammar; (2) the translation of English into Greek.

*German.*

The candidate's knowledge of German will be tested by: (1) simple questions on grammar, (2) the translation of simple passages from English into German, (3) translation at sight of easy passages from modern German, and (4) an examination on the following texts:—

1900: HAUFF, *das kalte Herz*, Kalif Storch.

1901: LEANDER, *Träumereien* (selected by Van Daell).

1902: GRIMM, *Rotkäppchen*; ANDERSON, *Wie's der Alte macht*, *Das neue Kleid*, *Venedig*, *Rothschild*, *Der Bar*, ERTL, *Himmelsschlüssel*; FROMMEL, *Das eiserne Kreuz*;

BAUMBACH, Nicotiana. Der Goldbaum; HEINE, Lorelei. Du bist wie eine Blume; UH-LAND, Schafer's Sonntagslied. Das Schloss am Meer; CHAMISSO, Das Schloss Boncourt; CLAUDIUS, Die Sterne, Der Riese Goliath; GOETHE, Mignon, Erbkönig, Der Sanger; SCHILLER, Der Jüngling am Bache.

LEANDER, Traumereien (selected by Van Daell), pp. 1-44.

Two papers will be set: (1) prescribed texts and translation at sight; questions on Grammar; (2) the translation of English into German.

*Elementary, Experimental Science (Chemistry.)*

Properties of Hydrogen, Chlorine, Oxygen, Sulphur, Nitrogen, Carbon and their more important compounds. Nomenclature. Laws of combination of the elements. The Atomic Theory and Molecular Theory.

One Examination paper.

*Botany.*

The practical study of representatives of the flowering plants of the locality and representatives of the chief subdivisions of cryptogams, such as a fern, a lycopod, a horse-tail, a liverwort, a moss, a lichen, a mushroom and a chara. The drawing and description of parts of plants and classification. Comparison of different organs, morphology of root, stem, leaves and hair, parts of the flower, reproduction of flowering plants, pollination, fertilization and the nature of fruit and seeds. At the examination two plants to be selected by the presiding examiner will be submitted, one for classification and one for description. In classification, candidates will be allowed to use their floras (the authorized text-book in Botany).

One examination paper.

*Physics (of Optional Group.)*

ELECTRICITY.—Voltaic cells, common kinds; chemical action in the cell; magnetic effects of the current; chemical effects of the current; voltameter; astatic and tangent galvanometers; simple notions of potential; Ohm's law, with units; best arrangement of cells; electric light, arc and incandescent; magnetism; inclination and declination of compass; current induction; induction coil; dynamo and motor; electric bell; telegraph; telephone; electro-plating. SOUND.—Caused by vibrations; illustration of vibrations, pendulums, rods, strings, membranes, plates, columns of air; propagated by waves; its velocity; determination of velocity; pitch; standard forks, acoustical C = 512, musical, A = 870; intervals; harmonic scale; diatonic scale; equally tempered scale; vibration of air in open and closed tubes, with wave-lengths; resonators: nodes and loops; vibration of strings and wires; reflection of sound; manometric flames. LIGHT.—Rectilinear propagation; image through a pin hole; beam; pencil; photometry; shadow and grease spot photometers; reflection and scattering of light; laws of reflection; images in plain mirrors; multiple images in inclined mirrors; concave and convex mirrors; drawing images refraction; laws and index of refraction; total reflection; path through a prism; lenses; drawing image produced by a lens; simple microscope; dispersion and color; spectrum; recombination of white light.

One examination paper.

SENIOR LEAVING STANDING.

In order to obtain Senior Leaving Standing, a candidate must pass the examination of Part I of Junior Leaving Standing, and in addition the subjects herein prescribed for Parts I and II of Senior Leaving Standing, which may be taken at one examination or at different examinations.

Unsuccessful candidates at any previous Senior Leaving Examination will be allowed to write in 1900 for Senior Leaving Standing by selecting the same options in the course as they were allowed to take in 1899.



## PART I, SENIOR LEAVING STANDING.

The subjects of Part I of Senior Leaving Standing are the following :—English Composition, English Literature, Algebra, Geometry, Trigonometry, English and Ancient History.

## EXAMINATION REQUIREMENTS.

(Part I, Senior Leaving Standing).

*English.*

COMPOSITION : An essay, to which special importance will be attached, on one of several themes set by the examiner.

One examination paper.

LITERATURE : The candidate will be expected to have memorized some of the finest passages. Besides questions to test the candidate's familiarity with, and comprehension of, the following selections, questions may also be set to determine within reasonable limits his power of appreciating literary art.

RHETORIC : Reading of prose authors in connection with the study of rhetoric.

One examination paper.

1900.

LONGFELLOW : Evangeline, A Psalm of Life, Wreck of the Hesperus, "The day is done," The Old Ock on the Stairs, The fire of driftwood, Resignation, The Warden of the Cinque Ports, Excelsior, The Bridge, A Gleam of Sunshine.

SHAKESPEARE : Macbeth.

MILTON : L'Allegro, Il Penseroso, Lycidas, On the Morning of Christ's Nativity.

WORDSWORTH : (Palgrave's Golden Treasury of Songs and Lyrics) The Education of Nature ("Three years she grew"), "She was a Phantom of Delight," A Lesson ("There is a flower, the Lesser Celandine"), To the Skylark, The Green Linnet, To the Cuckoo, To the Daisy, and the following Sonnets, To a Distant Friend ("Why art thou silent," England and Switzerland ("Two voices are there.") "Milton, thou shouldst be living at this hour," Westminster Bridge, The Inner Vision ("Most sweet it is with unuplifted eyes,") "O Friend ! I know not which way I must look," To Sleep, Within King's College Chapel.

1901.

TENNYSON : Elaine, Lady of Shalott, St. Agnes' Eve, Sir Galahad, Lotos-Eaters, Ulysses, Crossing the Bar, Early Spring, "You ask me why," "Of old sat Freedom," "Love thou thy land," the six interlude songs and "Tears, idle tears," "The Princess."

MILTON : Paradise Lost, Book, VII.

SHAKESPEARE : Julius Cæsar.

1902.

SCOTT : Lay of the Last Minstrel.

MILTON : Paradise Lost, Book I.

SHAKESPEARE : The Merchant of Venice.

*Mathematics.*

ALGEBRA : Elementary Rules, Highest Common Measure ; Lowest Common Multiple ; Fractions ; Square Root ; Simple Equations of one, two and three unknown quantities ; Indices ; Surds ; Quadratics of one and two unknown quantities : Theory of Divisors

Ratio, Proportion, and Variation ; Progressions ; Notation ; Permutations and Combinations ; Binomial Theorem ; Interest Forms ; Annuities.

One examination paper.

GEOMETRY : Euclid, Books I, II, III, IV, and V ; Definitions of Book V ; Deductions.

One examination paper.

TRIGONOMETRY : Trigonometrical ratios with their relations to each other ; Sines, etc., of the sum and difference of angles with deduced formulas ; Use of Logarithms ; Solution of Triangles ; Expressions for the area of Triangles ; Radii of circumscribed, inscribed, and escribed circles.

One examination paper.

### *History.*

English History from the discovery of America to 1763.

General outlines of Greek History to the battle of Chæronea, 338 B. C. Special attention to be paid to the following : General characteristics of Greece and the Greeks ; ancient institutions ; constitution of Athens and Sparta ; Persian wars ; growth of the Athenian Empire ; characteristics of the age of Pericles ; Peloponnesian wars ; rise of Thebes ; Theban Supremacy ; rise of Macedon ; downfall of Greece.

General outlines of Roman History to the death of Augustus. Special attention to be given to the following : General characteristics of Italy and the Roman People ; struggle of the Plebeians for political and social equality ; conquest of Italy ; Punic wars ; how Rome governed and was governed ; internal and external history of Rome from the downfall of Carthage to the death of Augustus.

The Geography relating to the History prescribed.

One examination paper.

### PART II, SENIOR LEAVING EXAMINATION.

The subjects of Part II of Senior Leaving Standing are the following :—Physics, Latin, and one of the following groups :—(a) French and Greek, (b) German and Greek, (c) French and German, (d) French and Chemistry, (e) German and Chemistry, (f) Biology and Chemistry.

### EXAMINATION REQUIREMENTS.

*(Part II, Senior Leaving Standing.)*

#### *Physics.*

MECHANICS : Measurement of velocity ; uniformly accelerated rectilinear motion ; metric units of force, work, energy and power ; equilibrium of forces acting at a point ; triangle, parallelogram, and polygon of forces ; parallel forces ; principle of moments ; centre of gravity ; laws of friction ; numerical examples.

HYDROSTATICS : Fluid pressure at a point ; pressure on a horizontal plane ; pressure on an inclined plane ; resultant vertical pressure, and resultant horizontal pressure, when fluid is under air pressure and when not ; transmission of pressure ; Bramah's press ; equilibrium of liquids of unequal density in a bent tube ; the barometer ; air-pump ; water-pump, common and force ; siphon.

ELECTRICITY : Voltaic cells, common kinds ; chemical action in the cell ; magnetic effects of the current ; chemical effects of the current ; volta meters ; electroplating ; astatic and tangent galvanometers ; simple notions of potential ; Ohm's law ; shunts ; measurement of resistance ; electric light, arc and incandescent ; current induction ; induction coil ; dynamo and motor ; the joule and watt ; electric bell ; telegraph ; telephone ; elements of terrestrial magnetism.

One examination paper.

*Latin.*

Translation into English of passages from prescribed texts.

Translation at sight of passages of average difficulty, similar in style to the authors read.

Grammatical questions on the passages from prescribed texts will be set, and such other questions as arise naturally from the context.

Translation into Latin of easy passages of English, similar in style to the authors read.

The following are the prescribed texts :—

1900 : CAESAR, *Bellum Gallicum*, Bk. V.; VERGIL, *Aeneid*, Bk. II; HORACE, *Odes*, III. IV; LIVY XXI.

1901 : CAESAR, *Bellum Gallicum*, Bks. II, III; VERGIL, *Aeneid*, Bk. II; HORACE, *Odes*, I, II; LIVY XXI.

1902 : CAESAR, *Bellum Gallicum*, Bk. IV, omitting Chap. 17, and Bk. V, Chaps. 1-23; VERGIL, *Aeneid* II, lines 1-505; HORACE, *Odes* I, II; CICERO, *Pro Lege Manilia*, *Pro Marcello*, *Philippic* XIV.

Two examination papers.

The prescription of work in grammar, the translation of English into French and sight translation is the same for Senior Leaving Standing as for Junior Leaving Standing, but the examination will be of a more advanced character.

The following are the prescribed texts :—

1900 : ENAULT, *la Chien du capitaine*; FEUILLET, *la Fée*, *le Roman d'un jeune Homme pauvre*; LABICHE, *Voyage de M. Perrichon*.

1901 : DE MAISTRE, *Voyage autour de ma chambre*; LABICHE, *la Grammaire*; ERCKMANN-CHATRIAN, *Madame Thérèse*; LABICHE, *le Poudre aux yeux*.

1902 : LAMENNAIS, *Paroles d'un croyant*, Chaps. VII and XVII; PERRAULT, *le Maître Chat ou le Chat Botté*; DUMAS, *Un nez gelé* and *la Pipe de Jean Bart*; ALPHONSE DAUDET, *la Dernière classe* and *la Chèvre de M. Seguin*; LEGOUVÉ, *la Patte de dindon*; POUVILLON, *Hortibus*; LOTI, *Chagrin d'un vieux forcat*; MOLIERE, *L'Avare*, Acte III, sc 5 (*est-ce à votre cocher . . . sous la mienne*); VICTOR HUGO, *Waterloo*, Chap IX; ROUGET DE L'ISLE, *la Marseillaise*; ARNAULT, *la Feuille*; CHATEAUBRIAND, *l'Exilé*; THÉOPHILE GAUTIER, *la Chimère*; VICTOR HUGO, *Extase*; LAMARTINE, *l'Automne*; DE MUSSET, *Tristesse*; SULLY PRUDHOMME, *le Vase brisé*; LA FONTAINE, *le Chêne et le Roseau*.

MADAME EMILE DE GIRARDIN, *la Joie fait peur*.

MÉRIMÉE, *Colomba*.

Two examination papers

*Greek.*

Translation into English of passages from prescribed texts.

Translation at sight of passages of average difficulty, similar to the authors read.

Grammatical questions on the passages from prescribed texts will be set, and such other questions as arise naturally from the context.

Translation into Greek of ordinary narrative passages of English, similar to the authors read.

The following are the prescribed texts :

1900; XENOPHON, *Anabasis*, I (Chaps I-VIII); HOMER, *Iliad*, I, *Odyssey* XV; LYSIAS, *Contra Eratosthenem*, and *Epitaphius*.



1901 : XENOPHON, *Anabasis*, I (Chaps I-VIII); HOMER, *Iliad* I, *Odyssey* XV; LUCIAN, *Charon*, *Vera Historia* II.

1892 : XENOPHON, *Anabasis* I (Chaps. I-VIII); HOMER, *Iliad* VI; *Odyssey* XVII; LUCIAN, *Charon*, *Vera Historia* II.

Two examination papers.

*German.*

The prescription of work in grammar, the translation of English into German and sight translation is the same for Senior Leaving Standing as for Junior Leaving Standing, but the examination will be of a more advanced character.

The following are the prescribed texts:—

1900 : HAUFF, *das kalte Herz*, Kalif Storch; EICHENDORFF, *Aus dem Leben eines Taugenichts*; WILHELM, *Einer muss heiraten*; BENEDIX, *Eigensinn*.

1901 : LEANDER, *Träumereien* (selected by Van Daell); BAUMBACH *der Schwiegersohn*; GERSTACKER, *Germelshausen*; ELZ, *Er ist nicht eifersüchtig*; WICHERT, *Post Festum*.

1902 : GRIMM, *Rotkäppchen*; ANDERSEN, *Wie's der Alte macht*, *Das neue Kleid*, *Venedig*, *Rothschild*, *Der Bär*; ERTL, *Himmelsschlüssel*; FROMMEL, *Das eiserne Kreuz*; BAUMBACH, *Nicotiana*, *Der Goldbaum*; HEINE, *Lorelei*, *Du bist wie eine Blume*; UHLAND, *Schäfer's Sonntagsglied*, *Das Schloss am Meer*; CHAMISSE, *Das Schloss Boncourt*; CLAUDIUS *Die Sterne*, *Der Riese Goliath*; GOETHE, *Mignon*, *Erkönig*, *Der Sänger*; SCHILLER, *Der Jüngling am Bache*.

LEANDER, *Träumereien* (selected by Van Daell), pp. 1-44.

EBNER-ESCHENBACH, *Die Friherren von Gemperlein*; WILHELM *Einer muss heiraten*.

BENEDIX, *Eigensinn*.

Two examination papers.

*Chemistry.*

**Chemical Theory.** The study of the following elements, with their most characteristic compounds, in illustration of Mendelejeff's Classification of the Elements: Hydrogen; Sodium, Potassium; Magnesium, Zinc; Calcium, Strontium, Barium; Boron, Aluminium; Carbon, Silicon, Tin, Lead; Nitrogen, Phosphorus, Arsenic, Antimony, Bismuth; Oxygen, Sulphur; Fluorine, Chlorine, Bromine, Iodine; Manganese, Iron. Elementary Qualitative Analysis.

A practical examination shall be held in connection with the subject, a pure salt will be sent out for qualitative analysis, and the candidate shall be allowed the use of an analytical table. One examination paper.

*Biology.*

1. *Elements of Zoology*: Thorough examination of the external form, the gills, and the viscera of some common fish. Study of the prepared skeleton of the same. Demonstration of the arrangement of the muscular and nervous systems and the sense-organs, as far as these can be studied without the aid of the microscope.

Comparison of the structure of the frog with that of the fish. The skeleton of the pectoral and pelvic girdles and of the appendages of the frog, should be studied, and the chief facts in the development of its spawn till the adult form is attained should be observed.

Examination of the external form of a turtle and a snake.

Examination of the structure of a bird.

Study of the skeleton, and also of the teeth of a cat or dog.

Study of the crayfish as a type of the Arthropods.

Comparison of the crayfish with an insect (grasshopper, cricket, or cockroach); also with a millipede and a spider.

Examination of an earthworm.

Study of a fresh-water mussel.

The principles of zoological nomenclature as illustrated by some of the common fresh-water fish, such as the sucker and the herring, bass and perch.

Study of an amoeba, or paramoecium as a type of a unicellular animal.

The modifications of the form of the body in vertebrates in connection with different methods of locomotion. The natural habits of the various animals examined.

2. *Elements of Botany*: The examination will test whether the candidate has practically studied representatives of the flowering plants of the locality in which the preparatory school is situated, and representatives of the chief subdivisions of cryptogams, such as a fern, a lycopod, a horsetail, a liverwort, a moss, a lichen, a mushroom, and a chara.

An elementary knowledge of the microscopic structure of the bean and the maize. Attention will be given in the examination to drawing and description of parts of plants supplied, and to their classification. Comparison of different organs, morphology of root, stem, leaves and hair, parts of the flower, reproduction of flowering plants, pollination, fertilization, and the nature of fruit and seeds.

A practical examination shall be held in connection with this subject. The material for examination will consist of two plants, a microscopic section and an animal.

Two examination papers.

#### QUESTION PAPERS.

The papers in Part I for Junior Leaving Standing will be different from those set for Matriculation. The Examiners will be expected moreover, to set papers for the purposes of candidates who desire to become teachers, but it is not intended that the questions shall be more difficult than the Regulations have called for since 1896. The papers in Arithmetic and Mensuration and Grammar and Rhetoric, as hereinbefore mentioned, shall be submitted to candidates, when writing on Part II of the Junior Leaving Course, in addition to the papers in these subjects taken by candidates when writing on Part I. For the optional groups, the examinations will be equal in difficulty, as near as may be, in order that candidates who begin the optional subjects at the same time during their High School course may have equal advantages in preparing for the examinations.

#### PERCENTAGES.

Each question paper will hereafter be valued at 100 (Regulation 43). Candidates for Junior and Senior Leaving Standing will be required to make 50 per cent. of the aggregate marks prescribed for each of the parts into which the examinations are divided, as well as  $33\frac{1}{3}$  per cent. on each paper. Seventy-five per cent. of the aggregate will be required for Honors. If, after all the answer papers are read, any question paper should be found, by the Board of Examiners, easier or more difficult than intended, the minimum on the paper shall be correspondingly raised or lowered, and the total number of marks correspondingly raised or diminished. Each candidate who makes the required aggregate may be awarded a certificate, even though he should fail to obtain the minimum in a subject, provided he was regarded as fit to pass in that subject by the staff, as shown from the confidential report sent to the Department before the examinations.

#### COMMERCIAL DIPLOMA.

The course for a Commercial Diploma will, as heretofore, consist of two Parts (I and II). Part I will be the same as Part I of Junior Leaving. Part II will embrace



the Commercial subjects mentioned in Regulation 50, viz :—Bookkeeping and Writing ; Commercial Transactions, Business forms and usages ; Stenography (Theory) ; Stenography (Dictation). Bookkeeping shall be taken up in six sets as follows :—

*Set I* shall show transactions extending over a period of two months ; the transactions of the first month being done by Single Entry, and of the second by Double Entry, and showing the change from Single to Double Entry. Books to be used : Day Book (1st month), Journal Day Book (2nd month), Cash Book, Bill Book, and Ledger.

*Set II.* The transactions shall be the same as for Set I., those of the first month being done by Double Entry, and of the second month by Single Entry, and showing the change from Double Entry to Single Entry. Books to be used : Four Column Journal with special columns for Mdse. Purchases and Sales (1st month), Day Book (2nd month), Cash Book, Bill Book and Ledger.

*Set III.* A Double Entry set with two partners. Books to be used : Journal Day Book with a special column for Mdse. Sales, Cash Book, Invoice Book, Bill Book, and Ledger, the first three as books of original entry.

*Set IV.* A Double Entry set ; a continuation of Set III., the posting being done in the same ledger. A third partner shall be admitted and the transactions shall include shipments and consignments. Books to be used : Journal Day Book, Cash Book, Invoice Book, Sales Book, Bill Book, and Ledger, the first four as books of original entry.

*Set V.* A Double Entry set : a continuation of Set IV., the posting being done in a new ledger. A fourth partner shall be admitted, and the transactions shall include whole-sale merchandising, shipment companies, and merchandise companies. Books to be used : The same as for Set IV.

*Set VI.* A set in Manufacturing. Books to be used : Journal Day Book, with a special column for Mdse. Sales, Cash Book, Time Book, and Ledger.

The Cash Book shall be a book of original entry in all of the Double Entry sets, various special columns being used in the different sets. A monthly Trial Balance shall be used in connection with Sets III., IV., and V., and Statements of Resources and Liabilities, and of Losses and Gains for all of the sets. The transactions in the different sets shall be different from year to year. The sets may recur tri-ennially, and shall consist of not less than twenty pages of foolscap.

The book-keeping sets of pupils who write at the examination for a Commercial Diploma shall be examined by the teacher and a report sent to the Education Department.

*Business Forms and Usages.*—Negotiable paper ; promissory notes ; special notes ; bills of exchange ; acceptance ; negotiation of bills, notes ; cheques ; collection of accounts ; discharge and dishonor ; special forms of due bills and orders ; accounts, invoices and statements ; interest ; partnerships ; receipts and releases ; banking ; and commercial correspondence.

*Stenography.*—At the examination in dictation in stenography, the candidate shall be required to have attained the rate of fifty words per minute. He shall also be required to transcribe his work into longhand at the rate of twelve words per minute. The dictated matter shall consist of business letters and legal documents.

Four examination papers, each valued at 100.

#### COUNTY MODEL SCHOOLS.

The abolition of the Primary examinations will not affect the rights of the holders of Primary standing obtained in 1898, or a previous year, to attend County Model Schools. It should be understood that County Boards of Examiners are not allowed to award Third Class certificates to candidates who do not make the higher percentage required by Regulation 63. A District Certificate shall not be granted under this section of the Regulations unless there is a scarcity of teachers, and until the consent of the Department



has been first obtained. Renewals, granted under Regulation 87, are valid only in the county where issued. Beginning with the examinations of the Model Schools in 1900, an additional paper in Methods will be submitted to test the ability of the students-in-training to teach Drawing, Writing, Bookkeeping and Elementary Science (Botany or Agriculture). There will also be an examination in Reading.

#### NORMAL COLLEGE.

All students entering the Normal College, irrespective of the academic course which they may have taken, must take the subjects prescribed in Regulation 80, subject to the following conditions:—

(1) Holders of Senior Leaving Certificates, granted on Departmental examinations, may omit Latin if they do not select the Greek option.

(2) Unsuccessful candidates at previous examinations will be allowed to write at the final examination of any year without attendance at the Normal College, and may confine themselves to the same subjects as taken previously.

Teachers of ten years' successful experience, who hold Normal School Certificates, and who have the necessary academic standing, may write at the final examination of the Normal College without attendance.

Any person graduating with Honors from any University in the British Dominions, who has spent two years as a registered student in postgraduate work in any British, European or other University approved by the Minister of Education, may write at the final examination of the Normal College without attendance, on furnishing satisfactory evidence of having taken such postgraduate course.

#### INSTRUCTION TO EXAMINERS.

The instructions issued, under the provisions of Regulation 109, may modify some minor provisions of the Regulations, more especially so far as refer to the conduct of the examinations. Any modifications of this nature will not, however, affect the course of study prescribed, or materially modify the provisions herein mentioned.

TORONTO, Aug., 1899.

#### DEPARTMENTAL EXAMINATIONS.

1901 AND 1902.

The courses for the examinations for Junior and Senior Leaving Standing for 1901 and 1902 will be the same as those prescribed for 1900, except that the following will be the requirements for Part II. Junior Leaving Standing: English Grammar and Rhetoric, English Composition, English Literature, Ancient History, Arithmetic and Mensuration, Algebra, Geometry, Physics (of the High School Course, Forms II. and III.), Latin, and one of the following subjects: (a) Greek, (b) French, (c) German, (d) Chemistry.

There will be no separate written examination in the Physics of Form II., but the examination in Physics, while mainly confined to the course in that subject as outlined for Form III., will also assume that the candidate possesses a competent knowledge of the Physics of Form II. As already provided, the Physics of Form II. may be taught in that Form or in Form III. at the option of the Principal.

All candidates, irrespective of any former Regulations, must comply with the requirements herein prescribed for the examinations of Junior Leaving Standing or Senior Leaving Standing. In other words, the special privileges allowed certain candidates for several years to write under the provisions of the Regulations in force before 1896 will not be continued after 1900.

TORONTO, October, 1900.

It should be understood that certificates for Matriculation purposes have no value for Junior or Senior Leaving Standing. Supplemental examinations, which are held by the Universities, have no recognition for Departmental Certificates. Enquiries regarding the courses for Matriculation should be addressed to the Registrars of the Universities. Information respecting the courses for Matriculation in Medicine, Law, Dentistry, Pharmacy, etc., should be sought from the Secretaries of the bodies concerned.

## CIRCULAR TO MEMBERS OF MUNICIPAL COUNCILS AND SCHOOL BOARDS.

I wish to call your attention to the provisions of an Amendment to the Public Schools Act, passed at the last Session of the Legislative Assembly, and assented to the 1st of April, 1899. This Statute, entitled "An Act to improve the laws respecting Public Schools, in Sub-sections 1, 2 and 3 of Section 13 gives important powers to Municipal Councils and Trustee Boards. The section of the Act reads as follows :—

13.—“(1) The council of every municipality may, subject to the Regulations of the Education Department, employ one or more persons holding the degree of Bachelor of the Science of Agriculture or a certificate of qualification from the Ontario Agricultural College, to give instruction in Agriculture in the separate, public and high schools of the municipality, and the council shall have power to raise such sums of money as may be necessary to pay the salaries of such instructors, and all other expenses connected therewith. Such course of instruction shall include a knowledge of the chemistry of the soil, plant life, drainage, the cultivation of fruit, the beautifying of the farm, and generally all matters which would tend to enhance the value of the products of the farm, the dairy and the garden.

“(2) The trustees of any public, separate or high school or any number of boards of such trustees, may severally or jointly engage the services of any person qualified as in the preceding section for the purpose of giving similar instruction to the pupils of their respective schools, providing always that such course of instruction shall not supersede the instruction of the teacher in charge of the school, as required by the regulations of the Education Department.

“(3) As far as practicable, the course of lectures in agriculture by such temporary instructor shall occupy the last school period of each afternoon, and shall be open to all residents of the school section or municipality.”

By the late amendments to the Regulations of the Education Department, the programme of study for Public Schools has been amended so as to make Agriculture a compulsory subject in all rural schools. This addition to the course of study will enable the pupils of all country districts to gain some valuable though elementary knowledge of what must necessarily concern a farming community. As may be expected, the information gained by means of the instruction given by the teachers and by the study of the authorized text-book, will necessarily be limited, in view of the age of the pupils. At the same time, their minds will be prepared to take a deeper interest than they otherwise would do in matters concerning the most important industry of the Province. The provisions of the sections of the Amendment quoted will show that the local authorities are now vested with power to supplement largely the instruction gained in the Public Schools. It is well understood that a keener interest in agricultural matters has been fostered by means of Farmers' Institutes. I wish to urge upon all persons concerned the importance of taking advantage of the provisions of the late Amendment to the Statute, in order to continue in a more advanced form that instruction in Agriculture, the foundations for which are laid in all our rural schools.

TORONTO, November, 1899.

## CIRCULAR TO OFFICERS OF PUBLIC LIBRARIES.

I am instructed by the Minister of Education to say that in purchasing books for your library from time to time, so far as the Department is concerned you are, of course, under no obligation of any kind whatever to prefer one publishing house or firm to another, and that should any canvasser make representation to you that it would be to your advantage to favor any particular publishing house, you should wholly disregard any such representation.

TORONTO, November, 1899.



# APPORTIONMENT OF THE LEGISLATIVE PUBLIC SCHOOL GRANT FOR 1899.

The apportionment of the grant to the several municipalities is based upon the latest returns of population for the year 1898, and the division between the Public and Separate Schools on the average attendance of that year, as reported by the Inspectors, Public School Boards, and Separate School Trustees respectively.

While the Separate Schools will receive their portion of the grant direct from the Department, that of the Public Schools will be paid, according to this schedule, through the respective county, city, town, and village treasurers.

Under the provisions of section 12 of "An Act to improve the Laws respecting Public Schools," passed at the last session of the Legislature, the Education Department is empowered "to appropriate out of moneys voted by the Legislature for Public and Separate Schools, a sum not exceeding \$5 00 for every school in which the regulations of the Department as to equipment, ventilation, heating, lighting and the care of the premises generally have been complied with."

Each county inspector is therefore authorized to deduct from the apportionment of each township such an amount as will provide the sum of \$5.00 to be paid on his order to each Trustee Board that has complied with the requirements mentioned.

TORONTO, May, 1899.

## PUBLIC SCHOOL APPORTIONMENT TO COUNTIES FOR 1899.

### 1. COUNTY OF BRANT.

<i>Municipalities.</i>	<i>Apportionment.</i>
Brantford .....	\$641 00
Burford .....	534 00
Dumfries, South .....	319 00
Oakland .....	90 00
Onondaga .....	138 00
Total .....	\$1,722 00

### 2. COUNTY OF BRUCE.

Albemarle .....	\$168 00
Amabel .....	407 00
Arran .....	321 00
Brant .....	474 00
Bruce .....	344 00
Carrick .....	350 00
Culross .....	250 00
Eastnor .....	194 00
Elderslie .....	315 00
Greenock .....	276 00
Huron .....	426 00
Kincardine .....	372 00
Kinloss .....	307 00
Lindsay and St. Edmunds .....	88 00
Saugeen .....	187 00
Total .....	\$4,479 00

### 3. COUNTY OF CARLETON.

Fitzroy .....	\$315 00
Gloucester .....	475 00
Goulbourn .....	308 00
Gower, North .....	251 00
Huntley .....	272 00

### 3. COUNTY OF CARLETON.

<i>Municipalities.</i>	<i>Apportionment.</i>
March .....	\$100 00
Marlborough .....	191 00
Nepean .....	467 00
Osgoode .....	529 00
Torbolton .....	115 00

Total ..... \$3,023 00

### 4. COUNTY OF DUFFERIN.

Amaranth .....	\$402 00
Garafraxa, East .....	271 00
Luther, East .....	221 00
Melancthon .....	484 00
Mono .....	430 00
Mulmur .....	416 00

Total ..... \$2,224 00

### 5. COUNTY OF ELGIN.

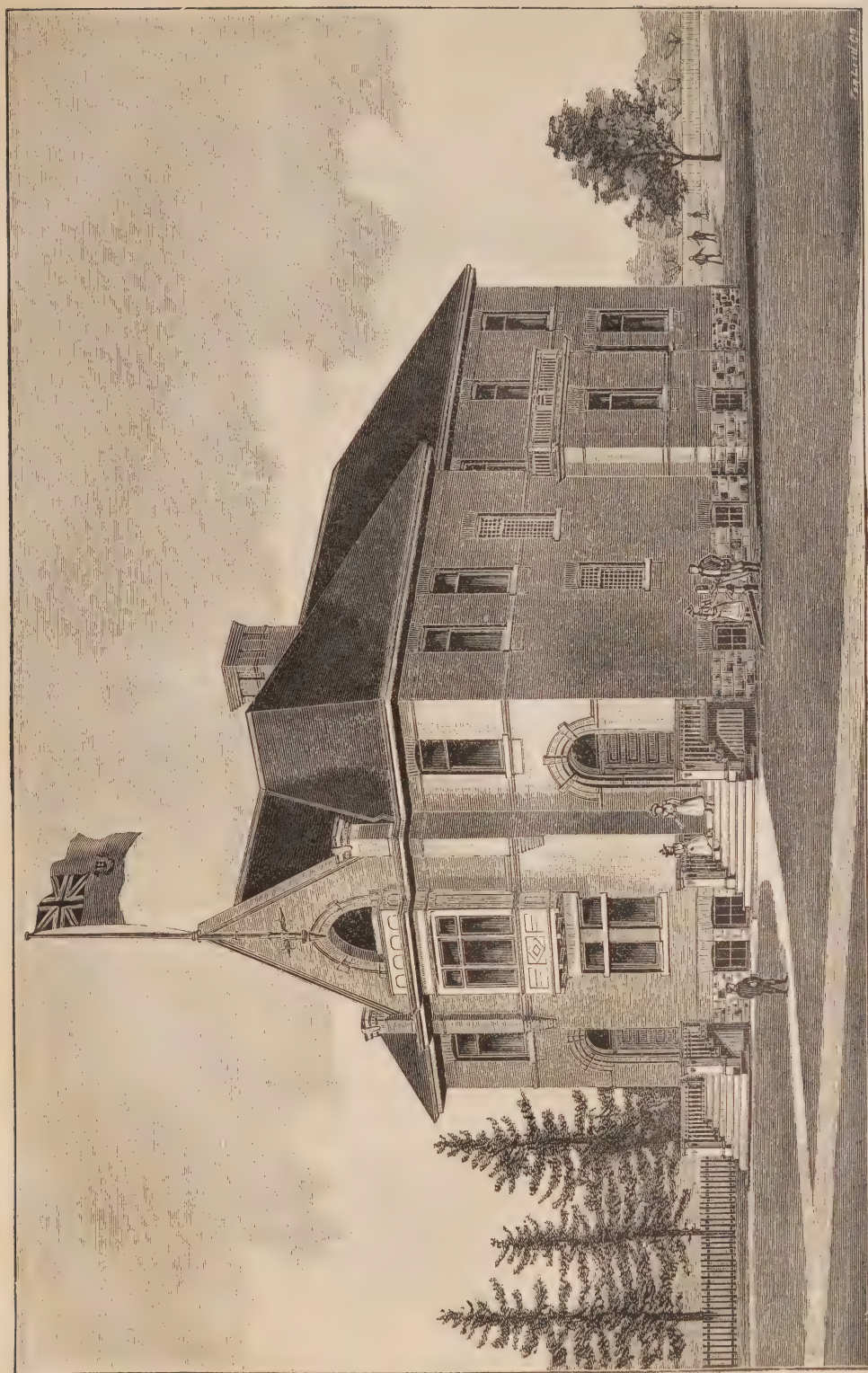
Aldbrough .....	\$595 00
Bayham .....	419 00
Dorchester, South .....	185 00
Dunwich .....	365 00
Malahide .....	444 00
Southwold .....	496 00
Yarmouth .....	596 00

Total ..... \$3,100 00

### 6. COUNTY OF ESSEX.

Anderdon .....	\$187 00
Colchester, North .....	155 00
"          South .....	327 00







## PUBLIC SCHOOL APPORTIONMENT TO COUNTIES.

## 6. COUNTY OF ESSEX.

<i>Municipalities.</i>	<i>Apportionment.</i>
Gosfield, North .....	\$215 00
“ South .....	276 00
Maidstone .....	314 00
Malden .....	126 00
Mersea .....	501 00
Pelee Island .....	76 00
Rochester .....	292 00
Sandwich, East .....	206 00
“ West .....	287 00
“ South .....	210 00
Tilbury, North .....	350 00
“ West .....	280 00
Total .....	\$3,802 00

## 7. COUNTY OF FRONTENAC.

Barrie .....	\$ 80 00
Bedford .....	165 00
Clarendon and Miller .....	99 00
Hinchinbrooke .....	161 00
Howe Island .....	
Kennebec .....	154 00
Kingston .....	344 00
Loughborough .....	161 00
Olden .....	129 00
Oso .....	132 00
Palmerston and Canonto .....	122 00
Pittsburg .....	269 00
Portland .....	253 00
Storrington .....	238 00
Wolfe Island .....	130 00
Total .....	\$2,437 00

## 8. COUNTY OF GREY.

Artemesia .....	\$423 00
Bentinck .....	553 00
Collingwood .....	428 00
Derby .....	245 00
Egremont .....	367 00
Euphrasia .....	389 00
Glenelg .....	284 00
Holland .....	407 00
Keppel .....	418 00
Normanby .....	482 00
Osprey .....	405 00
Proton .....	367 00
Sarawak .....	147 00
St. Vincent .....	351 00
Sullivan .....	432 00
Sydenham .....	420 00
Total .....	\$6,118 00

## 9. COUNTY OF HALDIMAND.

Canborough .....	\$122 00
Cayuga, North .....	198 00

## 9. COUNTY OF HALDIMAND.

<i>Municipalities.</i>	<i>Apportionment.</i>
Cayuga, South .....	\$101 00
Dunn .....	111 00
Moulton .....	216 00
Oneida .....	188 00
Rainham .....	203 00
Seneca .....	244 00
Sherbrooke .....	50 00
Walpole .....	385 00
Total .....	\$1,818 00

## 10. COUNTY OF HALIBURTON.

Anson and Hindon .....	\$ 33 00
Cardiff .....	71 00
Dudley, Dysart, Harcourt, Har- burn, Guilford .....	123 00
Glamorgan .....	64 00
Livingstone .....	5 00
Lutterworth .....	55 00
McClintock .....	7 00
Minden .....	150 00
Monmouth .....	64 00
Nightingale .....	1 00
Sherbourne .....	17 00
Snowdon .....	98 00
Stanhope .....	50 00
Total .....	\$738 00

## 11. COUNTY OF HALTON.

Esquesing .....	\$462 00
Nassagaweya .....	301 00
Nelson .....	358 00
Trafalgar .....	446 00
Total .....	\$1,567 00

## 12. COUNTY OF HASTINGS.

Carlow .....	\$ 70 00
Dungannon .....	94 00
Elzevir and Grimsthorpe .....	159 00
Faraday .....	119 00
Hungerford .....	401 00
Huntingdon .....	322 00
McClure, Wicklow and Bangor ..	103 00
Herschel and Monteagle .....	220 00
Madoc .....	328 00
Marmora and Lake .....	252 00
Mayo .....	80 00
Rawdon .....	411 00
Sidney .....	512 00
Thurlow .....	577 00
Tudor and Cashel .....	113 00
Limerick .....	55 00
Wollaston .....	88 00
Tyendinaga .....	376 00
Total .....	\$4,280 00



## PUBLIC SCHOOL APPORTIONMENT TO COUNTIES.

## 13. COUNTY OF HURON.

<i>Municipalities.</i>	<i>Apportionment.</i>
Ashfield .....	\$360 00
Colborne .....	224 00
Goderich .....	306 00
Grey .....	435 00
Hay .....	410 00
Howick .....	530 00
Hullett .....	337 00
McKillop .....	326 00
Morris .....	367 00
Stanley .....	272 00
Stephen .....	453 00
Tuckersmith .....	320 00
Turnberry .....	288 00
Usborne .....	294 00
Wawanosh, East .....	231 00
“ West .....	240 00
Total .....	\$5,393 00

## 14. COUNTY OF KENT.

Camden .....	\$308 00
Chatham .....	676 00
Dover .....	534 00
Harwich .....	551 00
Howard .....	445 00
Orford .....	328 00
Raleigh .....	491 00
Romney .....	214 00
Tilbury, East .....	361 00
Zone .....	158 00
Total .....	\$4,066 00

## 15. COUNTY OF LAMBTON.

Bosanquet .....	\$310 00
Brooke .....	452 00
Dawn .....	403 00
Enniskillen .....	636 00
Euphemia .....	270 00
Moore .....	562 00
Plympton .....	418 00
Sarnia .....	265 00
Sombra .....	396 00
Warwick .....	442 00
Total .....	\$4,159 00

## 16. COUNTY OF LANARK.

Bathurst .....	\$312 00
Beckwith .....	206 00
Burgess, North .....	48 00
Dalhousie and Sherbrooke, North .....	228 00
Darling .....	89 00
Drummond .....	243 00
Elmsley, North .....	131 00
Lanark .....	214 00

## 16. COUNTY OF LANARK.

<i>Municipalities.</i>	<i>Apportionment.</i>
Lavant .....	\$ 64 00
Montague .....	236 00
Pakenham .....	192 00
Ramsay .....	265 00
Sherbrooke, South .....	112 00
Total .....	\$2,340 00

## 17. COUNTY OF LEEDS.

Bastard and Burgess, South....	\$343 00
Crosby, North .....	146 00
“ South .....	206 00
Elizabethtown .....	482 00
Elmsley, South .....	95 00
Kitley .....	230 00
Leeds and Lansdowne, Front....	333 00
“ “ “ Rear .....	270 00
Yonge and Escott, Rear .....	134 00
Yonge, Front and Escott .....	298 00
Total .....	\$2,537 00

## 17 (a). COUNTY OF GRENVILLE.

Augusta .....	\$471 00
Edwardsburg .....	444 00
Gower, South .....	91 00
Oxford, Rideau .....	331 00
Wolford .....	225 00
Total .....	\$1,562 00

18. COUNTY OF LENNOX AND  
ADDINGTON.

Adolphustown .....	\$ 51 00
Amherst Island .....	106 00
Anglesea, Effingham and Kaladar .....	159 00
Camden, East .....	490 00
Denbigh, Abinger and Ashley .....	127 00
Ernestown .....	414 00
Fredericksburg, North .....	197 00
“ South .....	133 00
Richmond .....	266 00
Sheffield .....	220 00
Total .....	\$2,163 00

## 19. COUNTY OF LINCOLN.

Caistor .....	\$230 00
Clinton .....	238 00
Gainsborough .....	279 00
Grantham .....	222 00
Grimsby, North .....	137 00
“ South .....	173 00
Louth .....	202 00
Niagara .....	215 00
Total .....	\$1,696 00

## PUBLIC SCHOOL APPORTIONMENT TO COUNTIES.

## 20. COUNTY OF MIDDLESEX.

<i>Municipalities.</i>	<i>Apportionment.</i>
Adelaide .....	\$263 00
Biddulph .....	261 00
Caradoc .....	480 00
Delaware .....	189 00
Dorchester, North .....	440 00
Ekfrid .....	334 00
Lobo .....	336 00
London .....	1,084 00
McGillivray .....	340 00
Metcalfe .....	189 00
Mosa .....	338 00
Nissouri, West .....	320 00
Westminster .....	584 00
Williams, East .....	184 00
“ West .....	162 00
Total .....	\$5,504 00

## 21. COUNTY OF NORFOLK.

Charlotteville .....	\$406 00
Houghton .....	244 00
Middleton .....	330 00
Townsend .....	480 00
Walsingham, North .....	278 00
“ South .....	238 00
Windham .....	439 00
Woodhouse .....	246 00
Total .....	\$2,661 00

## 22. COUNTY OF NORTHUMBERLAND.

Alnwick .....	\$136 00
Brighton .....	316 00
Cramahe .....	315 00
Haldimand .....	456 00
Hamilton .....	500 00
Monaghan, south .....	114 00
Murray .....	336 00
Percy .....	375 00
Seymour .....	371 00
Total .....	\$2,919 00

## 22 (a). COUNTY OF DURHAM.

Cartwright .....	\$227 00
Cavan .....	316 00
Clarke .....	518 00
Darlington .....	527 00
Hope .....	423 00
Manvers .....	362 00
Total .....	\$2,373 00

## 23. COUNTY OF ONTARIO.

Brock .....	\$459 00
Mara .....	294 00

## 23. COUNTY OF ONTARIO.

<i>Municipalities.</i>	<i>Apportionment.</i>
Pickering .....	\$670 00
Rama .....	163 00
Reach .....	457 00
Scott .....	275 00
Scugog Island .....	65 00
Thorah .....	176 00
Uxbridge .....	337 00
Whitby, East .....	325 00
Whitby .....	266 00
Total .....	\$3,487 00

## 24. COUNTY OF OXFORD.

Blandford .....	\$204 00
Blenheim .....	591 00
Dereham .....	431 00
Nissouri, East .....	330 00
Norwich, North .....	278 00
“ South .....	325 00
Oxford, North .....	156 00
“ East .....	247 00
“ West .....	249 00
Zorra, East .....	496 00
“ West .....	305 00
Total .....	\$3,612 00

## 25. COUNTY OF PEEL.

Albion .....	\$308 00
Caledon .....	488 00
Chinguacousy .....	495 00
Gore of Toronto .....	110 00
Toronto .....	617 00
Total .....	\$2,018 00

## 26. COUNTY OF PERTH.

Blanchard .....	\$337 00
Downie .....	315 00
Easthope, North .....	279 00
“ South .....	236 00
Ellice .....	394 00
Elma .....	473 00
Fullarton .....	273 00
Hibbert .....	250 00
Logan .....	336 00
Mornington .....	333 00
Wallace .....	339 00
Total .....	\$3,565 00

## 27. COUNTY OF PETERBOROUGH.

Anstruther .....	\$ 30 00
Asphodel .....	205 00
Belmont .....	208 00
Burleigh .....	52 00

## PUBLIC SCHOOL APPORTIONMENT TO COUNTIES.

## 27. COUNTY OF PETERBOROUGH.

<i>Municipalities.</i>	<i>Apportionment.</i>
Cavendish .....	\$ 18 00
Chandos .....	99 00
Douro .....	251 00
Dummer .....	248 00
Ennismore .....	99 00
Galway .....	111 00
Harvey .....	122 00
Methuen .....	29 00
Monaghan, North .....	136 00
Otonabee .....	409 00
Smith .....	340 00
Total .....	\$2,357 00

## 28. COUNTY OF PRESCOTT.

Alfred .....	\$ 37 00
Caledonia .....	124 00
Hawkesbury, East .....	306 00
“ West .....	324 00
Longueuil .....	65 00
Plantagenet, North .....	354 00
“ South .....	228 00
Total .....	\$1,438 00

## 28 (a) COUNTY OF RUSSELL.

Cambridge .....	\$184 00
Clarence .....	169 00
Cumberland .....	315 00
Russell .....	202 00
Total .....	\$870 00

## 29. COUNTY OF PRINCE EDWARD.

Ameliasburg .....	\$366 00
Athol .....	139 00
Hallowell .....	352 00
Hillier .....	199 00
Marysburgh, North .....	131 00
“ South .....	159 00
Sophiasburg .....	236 00
Total .....	\$1,582 00

## 30. COUNTY OF RENFREW.

Adamston .....	\$218 00
Algonia, South .....	107 00
Alice and Fraser .....	228 00
Bagot and Blithfield .....	173 00
Brougham .....	49 00
Bromley .....	184 00
Brudenell and Lynedoch .....	166 00
Grattan .....	228 00
Griffin and Matawatchan .....	64 00
Hagarty, Jones, Sherwood, Richards and Burns .....	265 00

## 30. COUNTY OF RENFREW.

<i>Municipalities.</i>	<i>Apportionment.</i>
Head, Clara and Maria .....	\$ 67 00
Horton .....	188 00
McNab .....	406 00
Pembroke .....	80 00
Petewawa .....	117 00
Radcliffe and Raglan .....	125 00
Rolph, Wylie, McKay, Buchanan .....	119 00
Ross .....	339 00
Sebastopol .....	86 00
Stafford .....	97 00
Westmeath .....	401 00
Wilberforce and Algonia, North .....	271 00
Total .....	\$3,978 00

## 31. COUNTY OF SIMCOE.

Adjala .....	\$235 00
Essa .....	495 00
Flos .....	426 00
Gwillimbury, West .....	303 00
Innisfil .....	478 00
Matchedash .....	53 00
Medonte .....	477 00
Nottawasaga .....	659 00
Orillia .....	588 00
Oro .....	508 00
Sunnidale .....	273 00
Tay .....	476 00
Tiny .....	370 00
Tecumseth .....	425 00
Tossorontio .....	196 00
Vespra .....	358 00
Total .....	\$6,320 00

## 32. COUNTY OF STORMONT.

Cornwall .....	\$530 00
Finch .....	338 00
Osnabrock .....	599 80
Roxborough .....	414 00
Total .....	\$1,881 00

## 32 (a). COUNTY OF DUNDAS.

Matilda .....	\$462 00
Mountain .....	382 00
Williamsburg .....	465 00
Winchester .....	401 00
Total .....	\$1,710 00

## 32 (b). COUNTY OF GLENGARRY.

Charlottenburg .....	\$556 00
Kenyon .....	456 00
Lancaster .....	401 00
Lochiel .....	405 00
Total .....	\$1,818 00



## PUBLIC SCHOOL APPORTIONMENT TO COUNTIES.

## 33. COUNTY OF VICTORIA.

<i>Municipalities.</i>	<i>Apportionment.</i>
Bexley .....	\$106 00
Carden .....	92 00
Dalton .....	62 00
Eldon .....	366 00
Emily .....	244 00
Fenelon .....	275 00
Laxton, Digby and Longford. ....	95 00
Mariposa .....	483 00
Ops .....	287 00
Somerville .....	256 00
Verulam .....	231 00
Total .....	\$2,497 00

## 34. COUNTY OF WATERLOO.

Dumfries, North .....	\$266 00
Waterloo .....	805 00
Wellesley .....	491 00
Wilmot .....	594 00
Woolwich .....	529 00
Total .....	\$2,685 00

## 35. COUNTY OF WELLAND.

Bertie .....	\$373 00
Crowland .....	119 00
Humberstone .....	337 00
Pelham .....	291 00
Stamford .....	241 00
Thorold .....	241 00
Wainfleet .....	321 00
Willoughby .....	119 00
Total .....	\$2,042 00

## 36. COUNTY OF WELLINGTON.

Arthur .....	\$286 00
Eramosa .....	324 00
Erin .....	406 00
Garafraxa, West .....	326 00
Guelph .....	280 00
Luther, West .....	268 00
Maryborough .....	367 00
Minto .....	380 00

## 36. COUNTY OF WELLINGTON.

<i>Municipalities.</i>	<i>Apportionment.</i>
Nichol .....	\$200 00
Peel .....	458 00
Pilkington .....	180 00
Puslinch .....	435 00
Total .....	\$3,910 00

## 37. COUNTY OF WENTWORTH.

Ancaster .....	\$484 00
Barton .....	427 00
Beverly .....	505 00
Binbrook .....	178 00
Flamborough, East .....	317 00
“ West .....	341 00
Glanford .....	197 00
Saltfleet .....	361 00
Total .....	\$2,810 00

## 38. COUNTY OF YORK.

Etobicoke .....	\$412 00
Georgina .....	202 00
Gwillimbury, East .....	416 00
“ North .....	170 00
King .....	635 00
Markham .....	636 00
Scarborough .....	463 00
Vaughan .....	536 00
Whitchurch .....	458 00
York .....	969 00
Total .....	\$4,897 00

## 39. DISTRICTS.

<i>Municipalities.</i>	<i>Apportionment.</i>
Algoma .....	{ Including rural separate schools but not schools in towns and villages named in this list. }
Muskoka .....	
Nipissing .....	
Parry Sound .....	
Total .....	\$35,000 00

 APPORTIONMENT TO ROMAN CATHOLIC SEPARATE SCHOOLS FOR 1899,  
 PAYABLE THROUGH THIS DEPARTMENT.

<i>School Sections.</i>	<i>Apportionment.</i>
Adjala .....	10 \$21 00
Alfred .....	3 16 00
“ .....	6 26 00
“ 7 (with 8, Plantagenet, South) .....	13 00
“ .....	7 26 00
“ .....	8 33 00
“ .....	9 25 00

<i>School Sections.</i>	<i>Apportionment.</i>
Alfred .....	10 \$67 00
“ .....	11 18 00
“ .....	12 34 00
“ .....	13 40 00
“ .....	14 21 00
“ .....	15 22 00
Admaston .....	4 18 00

## APPORTIONMENT TO ROMAN CATHOLIC SEPARATE SCHOOLS FOR 1899.

<i>School Sections.</i>	<i>Apportionment.</i>	
Anderdon .....	2, 5 and 8	\$31 00
" .....	3 and 4	16 00
Arthur .....	6	37 00
" .....	10	27 00
Ashfield .....	2	52 00
Asphodel .....	4	20 00
Augusta .....	15	25 00
Balfour.....1 (District of Algoma)		
Biddulph .....	6	18 00
" .....9 (with 1 McGillivray)		6 00
Bonfield, 5A, 1B, 2 4 (District of Nipissing)		
Brant (with 3 Greenock)	2	8 00
Brighton .....	1 (15)	4 00
Bromley .....	4	19 00
" .....	6	22 00
Brougham .....	1	19 00
Burgess, North .....	2	31 00
" .....	4	19 00
" .....	6	13 00
Caledonia.....3, 4 and 10		20 00
" .....6 (with 7 Plantagenet S.)		10 00
" .....	12	49 00
Cambridge .....	3	25 00
" .....	4	26 00
" .....	5	32 00
" .....	6 to be app'td.	
" .....	6 and 7	48 00
Carrick .....	1	44 00
" (with 1 Culross)	1	70 00
" .....	2	16 00
" (with 2 Culross)	2	17 00
" .....	4	17 00
" .....	14	102 00
Charlottenburg .....	15	32 00
" .....	16 to be app'td.	
Clarence .....	5	80 00
" .....	6	50 00
" .....	8	44 00
" .....	11	31 00
" .....	12	27 00
" .....	13	20 00
" .....	14	33 00
" .....	16	17 00
" .....	17 to be app'td.	
" .....	19	16 00
" .....	20	21 00
Clarence .....	21	20 00
Cornwall .....	1	22 00
" .....	16	55 00
Crosby, North.....4		67 00
" .....	7	4 00
Culross (with 1 Carrick)	1	71 00
" (with 2 Carrick)	2	17 00

<i>School Sections.</i>	<i>Apportionment.</i>	
Cumberland.....10		\$13 00
" .....	11	15 00
" .....	13	22 00
" .....	14	34 00
Downie.....9		28 00
Dunnett and Rutter, 1 (District of Algoma.)		
Edwardsburg .....	2	15 00
Ellice .....	7	20 00
Ferris....3 (District of Nipissing)		
" .....4 " "		
Finch .....	5	38 00
Flamborough, West..	2	14 00
Greenock .....	3 (with 2 Brant)	61 00
Glenelg.....5		15 00
" .....	7	32 00
Gloucester .....	1 (with 3 Osgoode)	9 00
" .....	4, 5 and 12	8 00
" .....	14	28 00
" .....	15	59 00
" .....	17	8 00
" .....	20	28 00
" .....	22	16 00
" .....	25	87 00
" .....	26	26 00
Griffith, etc.....3		10 00
Hagarty .....	4	22 00
Haldimand .....	2	21 00
" .....	14	12 00
" .....	21	8 00
Harwich .....	9	31 00
Hawkesbury, East..	2	56 00
" .....	4	11 00
" .....	6	19 00
" .....	7	92 00
" .....	10	51 00
" .....	11	22 00
" .....	12	17 00
" .....	15	22 00
" .....	16	7 00
Hay .....	1	50 00
Hibbert.....1 (3)		17 00
Howe Island .....	1	24 00
" .....	2	45 00
" .....	3	33 00
Holland, etc.....3		18 00
Hullet .....	2	10 00
Keewatin..1 (see District of Algoma)		
Kingston .....	8	20 00
Lancaster .....	14	37 00
Lochiel .....	12A	25 00
" .....	12B	70 00
Longueuil, West...2		20 00
" .....	4A	19 00
" .....	7	19 00

## APPORTIONMENT TO ROMAN CATHOLIC SEPARATE SCHOOLS FOR 1899.

<i>School Sections.</i>	<i>Apportionment.</i>	
Loughboro' .....	2	\$17 00
" .....	10	20 00
Maidstone .....	1	44 00
" .....	4 (with 2 Rochester)	12 00
Malden .....	3A	28 00
" .....	3B	24 00
Mara .....	3	69 00
March .....	3	37 00
Marmora and Lake ..	1	10 00
Matawatchan .....	3	15 00
Moore .....	3, 4 and 5	12 00
Mornington .....	4	37 00
McGillivray ....1 (with 9 Biddulph)		8 00
McKillop .....	1	20 00
Nepean .....	7	39 00
" .....	15	64 00
Nichol .....	1	23 00
Normanby .....	5	24 00
" .....	10	13 00
Osgoode .....	1	20 00
" .....	2 (15)	11 00
" .....	3 (with 1 Gloucester)	12 00
Papineau ..1 (see District of Nipissing) .....		
" ..2 ..	"	"
" ..2B ..	"	"
Peel .....	8	2 00
" .....	12	17 00
Percy .....	5	8 00
" .....	12 (with 12 Seymour)	7 00
Plantagenet, North..	4	21 00
" ..	7	19 00
" ..	8	24 00
" ..	9	24 00
" ..	12	19 00
" .. South..	4	37 00
" ..	7	30 00
" .. 7 (with 6 Caledonia)		9 00
" ..	8	27 00
" .. 8 (with 7 Alfred)		11 00
Proton .....	6	21 00
Raleigh .....	4	13 00
" ..	5	27 00
" ..	8	28 00
Rayside .....	1 (District of Algoma)	.....
Richmond .....	10 and 17	13 00
Rochester .....	2 (with 4 Maidstone)	22 00

<i>School Sections.</i>	<i>Apportionment.</i>	
Roxboro' .....	12	\$55 00
" .....	16	33 00
Russell .....	1	9 00
" .....	4	13 00
" .....	6	62 00
" .....	7	23 00
" .....	8	36 00
Sandwich East .....	1	92 00
" .....	2	32 00
Sandwich, West .....	6 and 9	26 00
Seymour .....	12 (with 12 Percy)	9 00
Sheffield .....	5	28 00
Sombra .....	5	33 00
Stafford .....	2	24 00
Stephen .....	6	38 00
Springer ....1 (District of Nipissing) .....		
" ..2 ..	"	"
Sydenham .....	7	10 00
Tiny .....	2	110 00
Toronto Gore .....	6	14 00
Tyendinaga .....	18	16 00
" .....	20	20 00
" .....	24	19 00
" .....	28	12 00
" .....	30	9 00
Vespra .....	7	7 00
Waterloo .....	13	63 00
Wawanosh, West ..	1	23 00
Wellesley .....	5	15 00
" .....	9 and 10	27 00
" ..	11	71 00
" ..	12	9 00
Westminster .....	13	12 00
Widdifield ....2 (District of Nipissing) .....		
Williams, West ....	10	17 00
Wilmot .....	15½	56 00
Winchester .....	12 (with 1 Russell)	10 00
Windham .....	8	49 00
Wolfe Island .....	1	6 00
" .....	2	17 00
" .....	4	27 00
Woolwich .....	10	24 00
Yonge and Escott R.	4	12 00
York .....	1	33 00
		<hr/>
		\$5,373 00



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APPORTIONMENT TO CITIES, TOWNS AND VILLAGES FOR 1899.

Cities.	Public Schools.	Separate Schools.	Total.
	\$ c.	\$ c.	\$ c.
Belleville .....	990 00	262 00	1,252 00
Brantford .....	1,966 00	248 00	2,214 00
Chatham .....	933 00	165 00	1,098 00
Guelph .....	1,055 00	260 00	1,315 00
Hamilton .....	5,258 00	879 00	6,155 00
Kingston .....	1,751 00	490 00	2,241 00
London .....	3,912 00	544 00	4,456 00
Ottawa .....	3,314 00	3,500 00	6,814 00
St. Catharines .....	1,030 00	235 00	1,265 00
St. Thomas .....	1,217 00	138 00	1,355 00
Stratford .....	1,067 00	238 00	1,295 00
Toronto .....	20,067 00	2,875 00	22,942 00
Windsor .....	1,390 00	.....	1,390 00
Total .....	43,940 00	9,852 00	53,792 00
Towns.			
Alliston .....	222 00	.....	222 00
Almonte .....	277 00	105 00	382 00
Amherstburg .....	119 00	136 00	255 00
Arnprior .....	278 00	178 00	456 00
Aurora .....	188 00	.....	188 00
Aylmer .....	267 00	.....	267 00
Barrie .....	572 00	107 00	679 00
Berlin .....	914 00	229 00	1,143 00
Blenheim .....	215 00	.....	215 00
Bothwell .....	118 00	.....	118 00
Bowmanville .....	405 00	.....	405 00
Bracebridge .....	246 00	.....	246 00
Brampton .....	346 00	.....	346 00
Brockville .....	829 00	258 00	1,087 00
Carleton Place .....	516 00	.....	516 00
Clinton .....	317 00	.....	317 00
Cobourg .....	379 00	138 00	517 00
Collingwood .....	680 00	.....	680 00
Cornwall .....	333 00	446 00	779 00
Deseronto .....	399 00	.....	399 00
Dresden .....	219 00	.....	219 00
Dundas .....	359 00	133 00	492 00
Durham .....	154 00	.....	154 00
Essex .....	175 00	.....	175 00
Forest .....	192 00	.....	192 00
Fort William .....	195 00	.....	195 00
Galt .....	857 00	55 00	912 00
Gananoque .....	438 00	.....	438 00
Goderich .....	412 00	51 00	463 00
Gore Bay .....	68 00	.....	68 00
Gravenhurst .....	228 00	.....	228 00
Harriston .....	219 00	.....	219 00
Ingersoll .....	484 00	77 00	561 00
Kincardine .....	287 00	.....	287 00
Leamington .....	334 00	.....	334 00
Lindsay .....	653 00	226 00	879 00
Listowel .....	310 00	.....	310 00
Little Current .....	117 00	.....	117 00
Mattawa .....	66 00	144 00	210 00
Meaford .....	229 00	.....	229 00
Midland .....	295 00	.....	295 00

## APPORTIONMENT TO CITIES, TOWNS AND VILLAGES FOR 1899.

Townia.	Public Schools.	Separate Schools.	Total.
	\$ c.	\$ c.	\$ c.
Mitchell .....	262 00		262 00
Milton .....	150 00		150 00
Mount Forest .....	294 00		294 00
Napanee .....	385 00		385 00
Newmarket .....	224 00	37 00	261 00
Niagara .....	147 00		147 00
Niagara Falls .....	412 00	107 00	519 00
North Bay .....	160 00	89 00	249 00
North Toronto .....	198 00		198 00
Oakville .....	181 00	18 00	199 00
Orangeville .....	439 00		439 00
Orillia .....	484 00	105 00	589 00
Oshawa .....	458 00	51 00	509 00
Owen Sound .....	927 00	70 00	997 00
Palmerston .....	234 00		234 00
Parkhill .....	156 00	36 00	192 00
Paris .....	340 00	34 00	374 00
Parry Sound .....	168 00		168 00
Pembroke .....	352 00	266 00	618 00
Penetanguishene .....	299 00		299 00
Perth .....	329 00	124 00	453 00
Peterborough .....	933 00	403 00	1,336 00
Petrolia .....	563 00		563 00
Pictou .....	402 00	27 00	429 00
Port Arthur .....	271 00	99 00	370 00
Port Hope .....	560 00		560 00
Prescott .....	274 00	148 00	422 00
Rat Portage .....	212 00	67 00	279 00
Renfrew .....	226 00	153 00	379 00
Ridgetown .....	272 00		272 00
Sandwich .....	173 00		173 00
Sarnia .....	760 00	101 00	861 00
Sault Ste. Marie .....	350 00	62 00	412 00
Seaforth .....	296 00		296 00
Simcoe .....	347 00		347 00
Smith's Falls .....	543 00		543 00
Stayner .....	145 00		145 00
Sturgeon Falls .....	44 00	91 00	135 00
St. Mary's .....	371 00	48 00	419 00
Strathroy .....	377 00		377 00
Sudbury .....	100 00	88 00	188 00
Thessalon .....	61 00		61 00
Thornbury .....	75 00		75 00
Thorold .....	180 00	74 00	254 00
Tilsonburg .....	277 00		277 00
Toronto Junction .....	659 00		659 00
Trenton .....	347 00	160 00	507 00
Uxbridge .....	219 00		219 00
Vankleekhill .....	145 00	138 00	283 00
Walkerton .....	269 00	94 00	363 00
Walkerville .....	142 00		142 00
Wallaceburg .....	298 00	58 00	356 00
Waterloo .....	358 00	71 00	429 00
Welland .....	227 00		227 00
Whitby .....	263 00	34 00	297 00
Warton .....	258 00		258 00
Wincham .....	261 00		261 00
Woodstock .....	1,107 00		1,107 00
Totals .....	32,875 00	5,136 00	38,011 00

## APPORTIONMENT TO CITIES, TOWNS AND VILLAGES, FOR 1899.

Incorporated Villages.	Public Schools.		Separate Schools.		Total.	
	\$	c.	\$	c.	\$	c.
Acton .....	172	00			172	00
Ailsa Craig .....	94	00			94	00
Alexandria .....	46	00	163	00	209	00
Alvinston .....	124	00			124	00
Arkona .....	61	00			61	00
Arthur .....	125	00	71	00	196	00
Athens .....	119	00			119	00
Ayr .....	112	00			112	00
Ashburnham .....	209	00			209	00
Bath .....	52	00			52	00
Bayfield .....	82	00			82	00
Beamsville .....	99	00			99	00
Beaverton .....	96	00			96	00
Beeton .....	92	00			92	00
Belle River .....	69	00			69	00
Blyth .....	115	00			115	00
Bobcaygeon .....	103	00			103	00
Bolton .....	79	00			79	00
Bradford .....	120	00			120	00
Bridgeburg .....	152	00			152	00
Brighton .....	171	00			171	00
Brussels .....	145	00			145	00
Burk's Falls .....	81	00			81	00
Burlington .....	162	00			162	00
Caledonia .....	116	00			116	00
Campbellford .....	289	00			289	00
Cannington .....	143	00			143	00
Cardinal .....	111	00			111	00
Casselman .....	29	00	87	00	116	00
Cayuga .....	137	00			137	00
Chesley .....	210	00			210	00
Chesterville .....	94	00			94	00
Chippewa .....	62	00			62	00
Clifford .....	79	00			79	00
Colborne .....	134	00			134	00
Creemore .....	76	00			76	00
Delhi .....	103	00			103	00
Drayton .....	109	00			109	00
Dundalk .....	90	00			90	00
Dunnville .....	234	00			234	00
Dutton .....	93	00			93	00
East Toronto .....	168	00			168	00
Eganville .....	59	00	61	00	120	00
Elmira .....	134	00			134	00
Elora .....	140	00	19	00	159	00
Embro .....	77	00			77	00
Erin .....	62	00			62	00
Exeter .....	220	00			220	00
Fenelon Falls .....	162	00			162	00
Fergus .....	184	00	14	00	198	00
Fort Erie .....	111	00			111	00
Garden Island .....	38	00			38	00
Georgetown .....	179	00			179	00
Glencoe .....	125	00			125	00
Grand Valley .....	91	00			91	00
Grimsby .....	105	00			105	00



## APPORTIONMENT TO CITIES, TOWNS AND VILLAGES FOR 1899.

Incorporated Villages.	Public Schools.	Separate Schools.	Total.
	\$ c.	\$ c.	\$ c.
Hagersville .....	119 00		119 00
Hastings .....	58 00	41 00	99 00
Havelock .....	110 00		110 00
Hawkesbury .....	47 00	215 00	262 00
Hensall .....	111 00		111 00
Hespeler .....	273 00		273 00
Hintonburg .....	144 00	123 00	267 00
Holland Landing .....	50 00		50 00
Huntsville .....	153 00		153 00
Iroquois .....	144 00		144 00
Kemptville .....	164 00		164 00
Kingsville .....	147 00		147 00
Lakefield .....	143 00		143 00
Lanark .....	105 00		105 00
Lancaster .....	65 00		65 00
L'Orignal .....	122 00	26 00	148 00
London, West .....	241 00		241 00
Lucan .....	99 00		99 00
Lucknow .....	182 00		182 00
Madoc .....	148 00		148 00
Markdale .....	99 00		99 00
Markham .....	127 00		127 00
Maxville .....	86 00		86 00
Merrickville .....	124 00		124 00
Merritton .....	164 00	44 00	208 00
Millbrook .....	116 00		116 00
Milverton .....	75 00		75 00
Morrisburg .....	219 00		219 00
Newboro' .....	54 00		54 00
Newburg .....	78 00		78 00
Newbury .....	50 00		50 00
Newcastle .....	72 00		72 00
New Hamburg .....	152 00		152 00
Niagara Falls, South .....	165 00		165 00
Norwich .....	160 00		160 00
Norwood .....	135 00		135 00
Oil Springs .....	124 00		124 00
Omamee .....	68 00		68 00
Ottawa, East .....	117 00		117 00
Paisley .....	135 00		135 00
Point Edward .....	166 00		166 00
Portsmouth .....	48 00	38 00	86 00
Port Carling .....	33 00		33 00
Port Colborne .....	121 00	21 00	142 00
Port Dalhousie .....	90 00	25 00	115 00
Port Dover .....	142 00		142 00
Port Elgin .....	173 00		173 00
Port Perry .....	184 00		184 00
Port Rowan .....	74 00		74 00
Port Stanley .....	74 00		74 00
Preston .....	208 00	51 00	259 00
Richmond .....	44 00		44 00
Richmond Hill .....	80 00		80 00
Rockland .....	23 00	137 00	160 00
Shelburne .....	162 00		162 00
Southampton .....	191 00		191 00

APPORTIONMENT TO CITIES, TOWNS AND VILLAGES FOR 1899.

Incorporated Villages.	Public Schools.	Separate Schools.	Total.
	\$ c	\$ c.	\$ c.
Springfield.....	56 00		56 00
Stirling.....	102 00		102 00
Stouffville.....	154 00		154 00
Streetsville.....	75 00		75 00
Sundridge.....	44 00		40 00
Sutton.....	77 00		77 00
Tara.....	80 00		80 00
Teeswater.....	126 00		126 00
Thamesville.....	106 00		106 00
Thedford.....	73 00		73 00
Tilbury.....	62 00	65 00	127 00
Tiverton.....	62 00		62 00
Tottenham.....	86 00		86 00
Tweed.....	96 00	27 00	123 00
Vienna.....	45 00		45 00
Wardsville.....	41 00		41 00
Waterdown.....	96 00		96 00
Waterford.....	129 00		129 00
Watford.....	168 00		168 00
Wellington.....	76 00		76 00
Weston.....	113 00	20 00	133 00
Winchester.....	124 00		124 00
Woodbridge.....	82 00		82 00
Woodville.....	67 00		67 00
Wyoming.....	105 00		105 00
Wroxeter.....	56 00		56 00
Total.....	15,703 00	1,248 00	16,951 00

## SUMMARY OF APPORTIONMENT FOR 1899.

Counties.	Public Schools.	Separate Schools.	Total.
	\$ c.	\$ c.	\$ c.
1. Brant .....	1,722 00		1,722 00
2. Bruce .....	4,479 00	423 00	4,902 00
3. Carleton .....	3,023 00	452 00	3,475 00
4. Dufferin .....	2,224 00		2,224 00
5. Elgin .....	3,100 00		3,100 00
6. Essex .....	3,802 00	327 00	4,129 00
7. Frontenac .....	2,437 00	209 00	2,646 00
8. Grey .....	6,118 00	133 00	6,251 00
9. Haldimand .....	1,818 00		1,818 00
10. Haliburton .....	738 00		738 00
11. Halton .....	1,567 00		1,567 00
12. Hastings .....	4,280 00	86 00	4,366 00
13. Huron .....	5,393 00	193 00	5,586 00
14. Kent .....	4,066 00	99 00	4,165 00
15. Lambton .....	4,159 00	45 00	4,204 00
16. Lanark .....	2,340 00	63 00	2,403 00
17. Leeds and Grenville .....	4,099 00	123 00	4,222 00
18. Lennox and Addington .....	2,163 00	41 00	2,204 00
19. Lincoln .....	1,696 00		1,696 00
20. Middlesex .....	5,504 00	61 00	5,565 00
21. Norfolk .....	2,661 00	49 00	2,710 00
22. Northumberland .....	5,292 00	69 00	5,361 00
23. Ontario .....	3,487 00	69 00	3,556 00
24. Oxford .....	3,612 00		3,612 00
25. Peel .....	2,018 00	14 00	2,032 00
26. Perth .....	3,565 00	102 00	3,667 00
27. Peterborough .....	2,357 00	20 00	2,377 00
28. Prescott and Russell .....	2,308 00	1,713 00	4,021 00
29. Prince Edward .....	1,582 00		1,582 00
30. Renfrew .....	3,978 00	149 00	4,127 00
31. Simcoe .....	6,320 00	138 00	6,458 00
32. Stormont, Dundas and Glengarry .....	5,409 00	377 00	5,786 00
33. Victoria .....	2,497 00		2,497 00
34. Waterloo .....	2,685 00	265 00	2,950 00
35. Welland .....	2,042 00		2,042 00
36. Wellington .....	3,910 00	106 00	4,016 00
37. Wentworth .....	2,810 00	14 00	2,824 00
38. York .....	4,897 00	33 00	4,930 00
Total .....	126,158 00	5,373 00	131,531 00
39. Districts—			
(a) Algoma .....	33,900 00	1,100 00	35,000 00
(b) Muskoka .....			
(c) Nipissing .....			
(d) Parry Sound .....			
Total .....	33,900 00	1,100 00	35,000 00
Grand totals			
Counties .....	126,158 00	5,373 00	131,531 00
Cities .....	43,940 00	9,852 00	53,792 00
Towns .....	32,875 00	5,136 00	38,011 00
Villages .....	15,703 00	1,248 00	16,951 00
Districts .....	33,900 00	1,100 00	35,000 00
Totals .....	252,576 00	22,709 00	\$275,285 00



APPENDIX C.—ONTARIO NORMAL COLLEGE, PROVINCIAL, NORMAL AND MODEL SCHOOLS.

1. ONTARIO NORMAL SCHOOL.

1. *Staff of Ontario Normal College. 1899.*

- J. A. McLellan, M.A., LL.D., Professor of Psychology and History of Education, Principal.  
R. A. Thompson, B A , Lecturer on School Management, Vice-Principal.  
J. T. Crawford, B A., Lecturer on Methods in Mathematics.  
W. M. Logan, M.A., Lecturer on Methods in Classics.  
F. F. Macpherson, B.A., Lecturer on Methods in Literature and Composition.  
S. A. Morgan, B.A., B. Paed., Lecturer on Methods in English Grammar and Rhetoric.  
A. Paterson, M.A., Lecturer on Methods in History and Geography.  
E. S. Hogarth, B.A., Lecturer on Methods in Modern Languages.  
J. B. Turner, B.A., Lecturer on Methods in Chemistry, Botany and Zoology.  
J. Gill, B.A.. Lecturer on Methods in Physics.  
F. F. Macpherson, B.A., Lecturer on Reading and Elocution.  
J. B. Turner, B.A., Lecturer on School Hygiene and Sanitation.

2. *Students in Ontario Normal College, 1899.*

	Admitted.	
	Male.	Female.
Session 1899 .....	57	91

11. PROVINCIAL, NORMAL AND MODEL SCHOOLS.

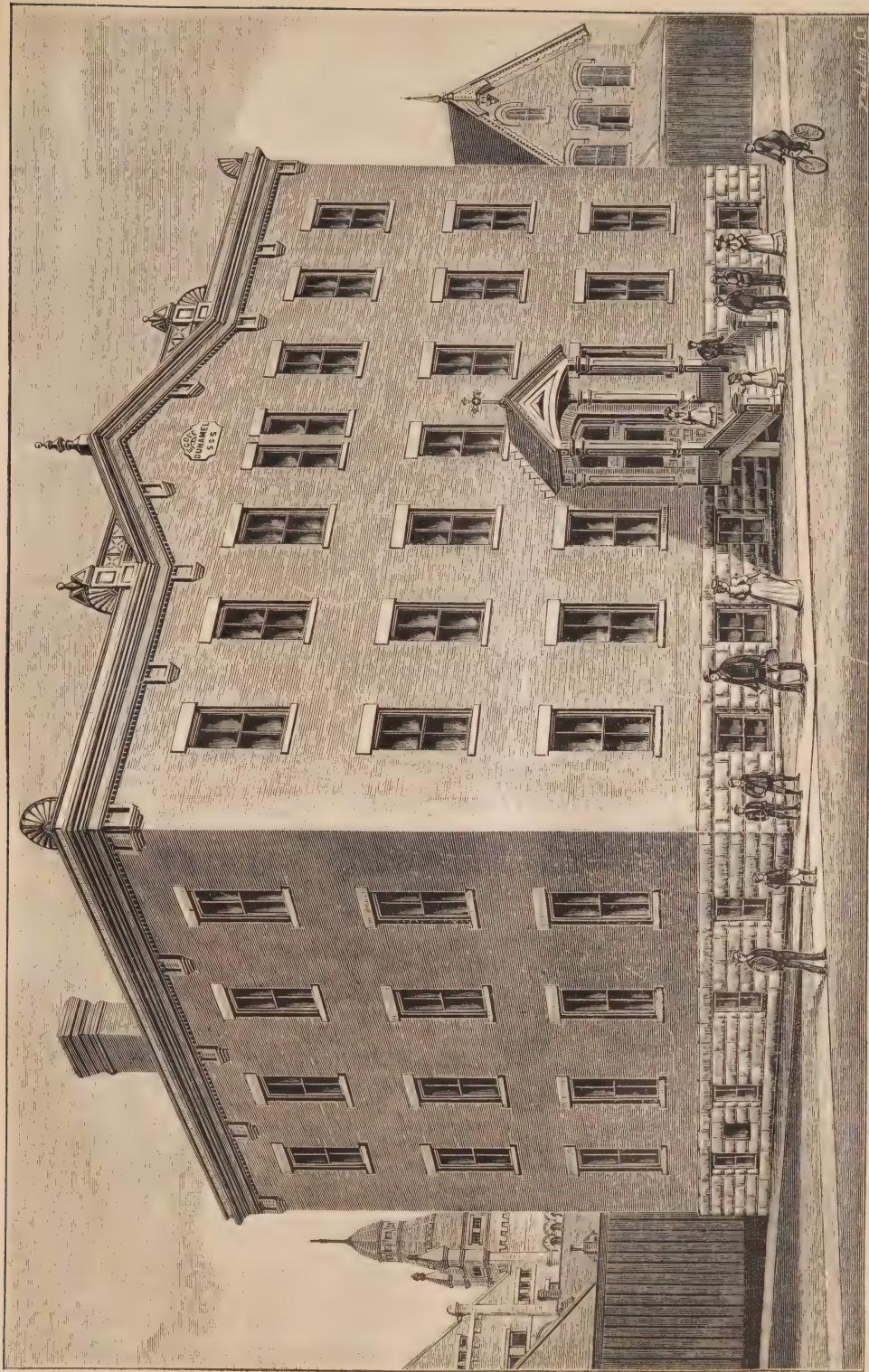
1. TORONTO NORMAL SCHOOL.

1. *Staff of Toronto Normal School, 1899.*

- Wm. Scott, B.A.....Principal.  
W. H. Elliott, B.A.....Vice Principal.  
A. C. Casselman.....Drawing Master, and in Model School.  
S. H. Preston.....Music " "  
Eugene Mason.. ..French Teacher.

2. *Students in Toronto Normal School, 1899.*

	Admitted.	
	Male.	Female.
First Session .....	13	118
Second Session .....	25	107
Total .....	38	225



DUHAMEL ROMAN CATHOLIC SEPARATE SCHOOL, OTTAWA.





## 2. OTTAWA NORMAL SCHOOL.

1. *Staff of Ottawa Normal School, 1899.*

John A. MacCabe, M.A., LL.D. ....	Principal.
S. B. Sinclair, B.A. ....	Vice-Principal.
A. F. Newlands ....	Drawing Master, and in Model School.
T. A. Brown ....	Music " "
J. Fleury ....	French Teacher.

2. *Students in Ottawa Normal School, 1899.*

	Admitted.	
	Male.	Female.
First Session .....	30	82
Second Session .....	25	78
Total .....	55	160

## 3. TORONTO MODEL SCHOOL.

1. *Staff of Toronto Model School, 1899.*

Angus McIntosh .....	Head Master Boys' Model School.
R. W. Murray .....	First Assistant "
Thomas M. Porter .....	Second " "
Miss Jeannie Wood .....	Third " "
" H. B. Mills, B.A. ....	Fourth " "
" Margaret T. Scott .....	Head Mistress, Girls' Model School
" Mary K. Caulfeild .....	First Assistant "
" M. Meehan .....	Second " "
" Alice Stuart .....	Third " "
" Sarah M. Ross .....	Fourth " "
" Mary E. Macintyre .....	Kindergarten Teacher.
" Ellen Cody .....	" Assistant.
" W. Mackenzie .....	Instructor in Calisthenics.
Mrs. L. H. Baldwin .....	" Domestic Science.

2. *Number of Pupils in 1899.*

Boys, 254 .....	Girls, 248 .....	Total, 502
Kindergarten .....		Total, 53

## 4. OTTAWA MODEL SCHOOL.

1. *Staff of Ottawa Model School, 1899.*

Edwin D. Parlow .....	Head Master, Boys' Model School.
J. H. Putman .....	First Assistant "
J. F. Sullivan .....	Second " "
Miss H. S. Williams .....	Third " "
" Adeline Shenick .....	Head Mistress, Girls' Model School.
" A. E. G. Wilson .....	First Assistant "
" M. E. Butterworth .....	Second " "
" Florence Hanington .....	Third " "
" Eliza Bolton .....	Kindergarten Teacher.
" J. Alexander .....	" Assistant.
" Elizabeth Keyes .....	Teacher of Physical Culture.

2. *Number of Pupils, 1899.*

Boys, 148 .....	Girls, 103 .....	Total, 251
Kindergarten .....		Total, 57

## APPENDIX D.—INSPECTION OF SCHOOLS, 1898.

## I. PUBLIC SCHOOLS.

## I. List of Inspectors.

Name.	Jurisdiction.	Post Office.	*Salary, 1898.
			\$ c.
M. J. Kelly, M.D., LL.B.	Brant; City of Brantford, Town of Paris.....	Brantford.....	1,078 00
W. S. Clendening .....	Bruce East; Towns of Walkerton, Wiarton, Villages of Chesley, Tara .....	Walkerton .....	1,356 25
Alexander Campbell....	Bruce, West; Town of Kincardine, Villages of Lucknow, Paisley, Port Elgin, Southampton, Teeswater, Tiverton .....	Kincardine ....	1,388 75
Robert H. Cowley .....	Carleton; Villages of Hintonburg, Ottawa East, Richmond .....	Ottawa .....	1,636 25
Nathaniel Gordon .....	Dufferin; Town of Orangeville, Villages of Grand Valley, Shelburne .....	Orangeville ....	1,080 00
Arthur Brown.....	Dundas; Villages of Chesterville, Iroquois, Morrisburg, Winchester .....	Morrisburg ..	1,050 00
W. E. Tilley, M. A., Ph.D	Durham; Towns of Bowmanville, Port Hope, Villages of Millbrook, Newcastle .....	Bowmanville ..	1,545 00
Welbern Atkin .....	Elgin; Town of Aylmer, Villages of Dutton, Port Stanley, Springfield, Vienna .....	St. Thomas ....	1,540 00
Theo. Girardot .....	Essex, North (No. 1), Town of Sandwich, Village of Belle River .....	Sandwich .....	1,000 00
D. A. Maxwell, B.A., LL.B., Ph.D .....	Essex, South (No. 2); City of Windsor, Towns of Amherstburg, Essex, Leamington, Walkerville, Village of Kingsville.....	Windsor .....	1,099 50
Wm. Spankie, M.D.....	Frontenac; Villages of Garden Island, Portsmouth .....	Kingston .....	1,507 50
Don'd McDiarmid, M.D	Glengarry; Villages of Alexandria, Lancaster, Maxville .....	Maxville .....	840 00
Andrew Grier .....	Grey, East; Town of Thornbury .....	Thornbury .....	955 00
Thomas Gordon .....	Grey, West; Town of Owen Sound .....	Owen Sound....	1,238 75
N. W. Campbell.....	Grey, South; Towns of Durham, Meaford, Villages of Dundalk, Markdale .....	Durham.....	1,263 25
Clarke Moses.....	Haldimand; Villages of Caledonia, Cayuga, Dunnville, Hagersville .....	Caledonia .....	1,190 00
Sylvanus Phillips, B.A.	Haliburton and North East Muskoka, South Nipissing, East Parry Sound; Village of Huntsville .....	Minden .....	1,164 75
J. S. Deacon .....	Halton; Towns of Milton, Oakville, Villages of Acton, Burlington, Georgetown .....	Milton .....	1,386 25
William MacKintosh ...	Hastings, North; Villages of Madoc, Stirling.....	Madoc .....	1,492 50
John Johnston.....	Hastings, South; City of Belleville, Towns of Deseronto, Trenton, Villages of Tweed, Wallbridge .....	Belleville .....	1,571 00
David Robb.....	Huron, East (N.); Towns of Clinton, Seaforth, Wingham, Villages of Blyth, Brussels, Wroxeter .....	Brussels.....	1,397 50
J. E. Tom.....	Huron, West (S); Town of Goderich, Villages of Bayfield, Exeter, Hensall .....	Goderich .....	1,482 50
Rev. W. H. G. Colles...	Kent, East; Towns of Bothwell, Ridgetown, Village of Thamesville .....	Chatham .....	1,040 00
Robert Park.....	Kent, West; Towns of Blenheim, Dresden, Wallaceburg, Village of Tilbury .....	Chatham ....	1,130 00
C. A. Barnes, M.A .....	Lambton, East (No. 1); Villages of Alvinston, Arkona, Thedford, Watford, Wyoming .....	London .....	1,254 00
John Brebner .....	Lambton, West (No. 2); Towns of Petrolia, Sarnia, Villages of Oil Springs, Point Edward .....	Sarnia .....	1,359 00
F. L. Michell, M.A ....	Lanark; Towns of Almonte, Carleton Place, Perth, Smith's Falls, Village of Lanark .....	Perth .....	1,850 00
Wm. Johnston, M.A., LL.B.....	Leeds and Grenville, No. 1; Town of Gananoque, Village of Newboro .....	Athens .....	1,150 00
Robert Kinney, M.D ...	Leeds and Grenville, No. 2; Village of Athens....	Brockville.....	1,050 00

\* In some instances travelling expenses are included.

*List of Inspectors.*

Name.	Jurisdiction.	Post Office.	Salary, 1898.
			\$ c.
T. A. Craig .....	Leeds and Grenville, No. 3; Town of Prescott, Villages of Cardinal, Kemptville, Merrickville.....	Kemptville.....	1,020 00
Frederick Burrows .....	Lennox and Addington; Town of Napanee, Villages of Bath, Newburgh .....	Napanee .....	1,380 00
J. B. Grey .....	Lincoln; City of St. Catharines, Town of Niagara, Villages of Beamsville, Grimsby, Merriton, Port Dalhousie .....	St. Catharines..	1,235 09
John Dearness.....	Middlesex, East; Villages of London West, Lucan .....	London .....	1,300 00
H. D. Johnson.....	Middlesex, West; Towns of Parkhill, Strathroy, Villages of Ailsa Craig, Glencoe, Newbury, Wardsville .....	Strathroy .....	1,230 00
J. J. Wadsworth, M.A., M.B. ....	Norfolk; Town of Simcoe, Villages of Delhi, Port Dover, Port Rowan, Waterford .....	Simcoe .....	1,490 00
Albert Odell.....	Northumberland; Town of Cobourg, Villages of Brighton, Campbellford, Colborne, Hastings ..	Cobourg.....	1,580 00
James McBrien .....	Ontario; Towns of Oshawa, Uxbridge, Whitby, Villages of Beaverton, Cannington, Port Perry ..	Prince Albert ..	1,620 00
William Carlyle.....	Oxford; Towns of Ingersoll, Tilsonburg, Woodstock, Villages of Embro, Norwich .....	Woodstock ....	1,735 00
Allan Embury.....	Peel; Town of Brampton, Village of Bolton, Streetsville .....	Brampton .....	1,200 00
William Irwin, B.A. . .	Perth; Towns of Listowel, Mitchell, St. Mary's Village of Milverton.....	Stratford.....	1,595 00
J. C. Brown.....	Peterborough; Villages of Apsley, Ashburnham, Havelock, Lakefield, Norwood .....	Peterborough ..	1,323 50
W. J. Summerby.....	Prescott and Russell; Town of Vankleekhill, Villages of Casselman, Hawkesbury, L'Orignal, Rockland .....	Russell .....	1,535 00
G. D. Platt, B.A.....	Prince Edward; Town of Picton, Village of Wellington .....	Picton .....	945 00
R. G. Scott, B.A.....	Renfrew; Towns of Arnprior, Pembroke, Renfrew, Village of Eganville .....	Pembroke.....	2,083 75
J. C. Morgan, M.A.....	Simcoe, North; Towns of Barrie, Midland, Orillia, Penetanguishene.....	Barrie .....	1,300 00
Rev. Thomas McKee. . .	Simcoe, South West; Towns of Alliston, Stayner, Villages of Allandale, Beeton, Bradford, Creemore, Tottenham .....	Barrie.....	1,325 00
Isaac Day, B.A.....	Simcoe, East, and West Muskoka; Town of Gravenhurst, Village of Port Carling .....	Orillia .....	1,230 00
Alexander McNaughton.	Stormont; Town of Cornwall .....	Cornwall .....	990 00
J. H. Knight.....	Victoria, East; Town of Lindsay, Villages of Bobcaygeon, Omamee .....	Lindsay.....	778 25
Henry Reazin .....	Victoria, West, and South-East Muskoka; Town of Bracebridge, Villages of Fenelon Falls, Woodville.....	Lindsay.....	1,247 50
Thomas Pearce.....	Waterloo; Towns of Berlin, Galt, Villages of Ayr, Elmira, Hespeler, New Hamburg, Preston ..	Berlin.....	2,160 00
J. H. Ball, M.A.....	Welland; Town of Thorold, Villages of Bridgeburg, Chippewa, Port Erie, Niagara Falls South, Port Colborne .....	Welland .....	1,210 00
David Clapp, B.A.....	Wellington, North; Towns of Harriston, Mount Forest, Palmerston, Villages of Arthur, Clifford, Drayton .....	Harriston .....	1,100 00
J. J. Craig, B.A.....	Wellington, South; Villages of Elora, Erin, Fergus .....	Fergus .....	1,100 00
J. H. Smith.....	Wentworth; Town of Dundas, Village of Waterdown .....	Hamilton .....	1,260 00
A. B. Davidson, B.A.....	York, North; Towns of Aurora, Newmarket, Villages of Holland Landing, Richmond Hill, Sutton .....	Newmarket ....	1,075 00
David Fotheringham ...	York, South; Towns of North Toronto, Toronto Junction, Villages of East Toronto, Markham, Stouffville, Weston, Woodbridge .....	Toronto .....	1,2



*List of Inspectors.*

Name.	Jurisdiction.	Post Office.	Salary, 1898.
			\$ c.
Donald McCaig .....	Districts of Algoma, Thunder Bay, Rainy River, Towns of Fort William, Gore Bay, Little Cur- rent, Port Arthur, Rat Portage, Sault Ste. Marie, Thessalon, Villages of Day Mills, Kee- watin .....	Collingwood....	1,929 72
Rev. Geo. Grant, B.A....	Districts of North Nipissing and West Parry Sound; Towns of Mattawa, North Bay, Parry Sound, Sturgeon Falls, Sudbury, Villages of Burk's Falls, Sundridge .....	Orillia .....	1,530 00
Rev. A. McColl, D.D....	City of .....	Chatham .....	400 00
Wm. Tytler, B.A. ....	" .....	Guelph .....	500 00
W. H. Ballard, M.A....	" .....	Hamilton .....	2,000 00
W. G. Kidd .....	" .....	Kingston .....	1,400 00
W. J. Carson .....	" .....	London .....	1,560 00
John C. Clashan .....	" .....	Ottawa .....	2,000 00
John McLean .....	" .....	St. Thomas .....	357 00
J. R. Stuart .....	" .....	Stratford .....	1,000 00
James L. Hughes .....	" .....	Toronto .....	3,000 00
W. F. Chapman .....	" .....	" .....	2,000 00
Robert Meade, M.A....	Town of .....	Brockville .....	900 00
Donald McCaig .....	" .....	Collingwood .....	175 00
C. W. Chadwick .....	" Forest .....	Toronto .....	50 00
Duncan Walker, B.A. ..	" .....	Peterborough ..	1,100 00
Thomas Hilliard .....	" .....	Waterloo .....	80 00
The Hon. Richard Har- court, M.A., Q.C....	Niagara Falls, Welland .....	Toronto .....	160 00
			94,574 47

*Separate School Inspectors.*

James F. White .....	\$2,380 20
Wm. Prendergast, B.A. ....	2,227 25

*County Model School Inspector.*

John J. Tilley .....	\$2,050 00
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*High School Inspectors.*

John E. Hodgson, M.A. ....	\$2,934 35
John Seath, B. A. ....	2,900 00

Total salaries .....\$107,066 27

## II. Diplomas for Rural School Premises, 1899.

Name of Inspector.	Jurisdiction.	No. schools open.	No. diplomas.	Name of inspector.	Jurisdiction.	No. Schools open.	No. diplomas.
A. Campbell .....	W. Bruce .....	88	3	J. McBrien .....	Ontario .....	119	8
A. Brown .....	Dundas .....	80	12	W. Carlyle .....	Oxford .....	108	2
W. Spankie .....	Frontenac .....	141	6	Isaac Day .....	E. Simcoe, W.		
N. W. Campbell .....	S. Grey .....	90	7		Muskoka .....	76	9
S. Phillips .....	E. Parry Sd. ....	1	1	J. H. Knight .....	E. Victoria .....	46	1
J. S. Deacon .....	Halton .....	61	7	T. Pearce .....	Waterloo .....	86	4
D. Robb .....	E. Huron .....	85	8	J. J. Craig .....	S. Wellington ..	67	13
R. Park .....	W. Kent .....	73	9	J. H. Smith .....	Wentworth .....	74	4
C. A. Barnes .....	No. 1, Lambton. ....	100	3	D. Fotheringham .....	S. York .....	71	3
W. Johnston .....	No. 1, Leeds .....	79	6	G. Grant .....	Nipissing .....	38	
R. Kenney .....	No. 2, Leeds .....	84	12	G. Grant .....	Parry Sound .....	105	3
J. B. Grey .....	Lincoln .....	70	15	G. Grant .....	W. Parry Sound		
J. Dearness .....	E. Middlesex .....	101	23		& N. Nipissing ....		10
H. D. Johnson .....	W. Middlesex .....	83	3	Hon. R. Harcourt ....	Niagara Falls ..	1	1

## APPENDIX E.—SUPERANNUATED TEACHERS, 1899.

(Continued from Report of 1898).

## (1) ALLOWANCES GRANTED DURING 1899.

Register No.	Name.	Age.	Post Office.	Years of Service.	Allowance.
					\$ c.
1028	Adair, Chas. F .....	48	Cataraqui .....	27	162 00
1029	Middleton, Geo .....	60	Lucknow .....	24	156 50
1030	Keatley, James .....	62	Sheguiandah .....	13½	94 50
1031	Keith, Charles .....	61	Bowmanville .....	38	228 00
1032	Carley, Abram .....	61	Strange .....	27	189 00
1033	Lemary, A. ....	61	Cheney Station .....	27	162 00
1034	Watts, Mrs. Mary .....	60	Baddow .....	22	132 00
1035	Macpherson, Crawford .....	65	Prescott .....	39½	270 50
1036	Evans, Edward Thomas .....	65	Huntsville .....	21	147 00
1037	O'Brien, Wm. J. ....	49	Stoco .....	18	108 00
1038	Spence, Margaret .....	44	Toronto .....	21	147 00
1039	Morrison, Adam .....	67	do .....	35	121 50
1040	McGregor, Alex .....	51	Low Banks .....	25½	171 00
1041	Rothwell, Benjamin .....	64	Listowel .....	42½	291 50
1042	*Levergood, Mrs. Margaret A .....	59	Colchester .....	21	126 00
1043	*Rothwell, Benjamin .....	60	Chatham .....	36½	244 50
1044	*Ritchie, David S. F. ....	60	Chesley .....	37½	256 50
1045	*Decou, Rebecca .....	65	Hamilton .....	47½	331 00
1046	*Bigelow, Geo .....	60	Cornwall .....	28	188 00
1047	*McQueen, Robert .....	64	Kirkwall .....	32	224 00

As the sum of \$4 is deducted from each superannuated teacher's allowance, as subscription to the fund, the payment will be \$4 less in each case than as given above. \*Allowance commences with 1900.

## APPENDIX F.—DEPARTMENTAL EXAMINATIONS, 1899.

## 1. CONTINUATION CLASSES AND PUBLIC SCHOOL LEAVING EXAMINATIONS.

Name of Inspector.	Jurisdiction.	Name of Principal.	Professional Certificate.	No. of Teachers.	Class of School.	Name of School.	No. of pupils attending who had passed examinations before 1899.		No. of other successful candidates at P. S. Leav. Exam. from schools in municipalities having no High Schools.	Schools in municipalities having H. S. from which pupils not attending such H. S. were successful at the Public School leaving examination.
M. J. Kelly	Brant	A. E. Green	I.	3	B	8 Dumfries, S.	16	9	27	
W. S. Clendening	E. Bruce	A. A. Langs	II.	1	C	11 Burford	5	5		
A. Campbell	W. Bruce	Caroline Fyle	II.	1	C	21 " "	3	1		
		D. F. Ritchie	II.	1	A	Chesley, V.	29	13	46	
		J. W. Ward	II.	3	B	14 Carrick	7	3		
		W. J. Chisholme	I.	6	A	Paisley, V.	30	14		
		D. D. Yule	I.	4	B	Lucknow, V.	10	4		
		E. S. Goultes	I.	3	B	Huron	14	4	72	
		John Shaw	I.	5	B	Teeswater, V.	15	6		
		J. D. Campbell	II.	1	C	12 Culross	6	3		
R. H. Cowley	Carleton	Joseph Stalker	II.	1	C	10 Kinloss	5	7	64	
N. Gordon	Dufferin	D. Campbell	II.	5	A	Grand Valley, V.	12	3		
		R. A. Winter	II.	3	A	Hornig's Mills	12	4		
		M. H. Langs	I.	6	A	Shelburne, V.	15	14	35	
		C. McKenzie	III.	1	C	6 Mulmur	1	4		
A. Brown	Dundas	A. B. Steer	I.	2	C	17 Mono	4	3		
		E. M. Hill	I.	6	A	Winchester, V.	27	8	43	
W. E. Tilley	Durham	S. W. Hill	I.	4	A	Chesterville, V.	14	6		
		D. Hampton	II.	4	A	Millbrook, V.	30	10	29	
W. E. Tilley (1898)	Durham	H. Simpson	I.	3	B	Orono	12	3		
W. Atkin	Elgin	H. Simpson	II.	3	B	Orono	10	4	3	
		W. Wallis	I.	4	A	5 Aldboro'	16	4		
		J. L. Garvin	I.	4	A	" "	15	4		
		J. W. Brown	II.	2	B	9 Southwold	12	8		
		J. McFadyen	II.	2	B	" "	10	2	111	
		J. W. McRoberts	I.	3	B	Belmont	17	5		
		G. Stewart	II.	3	B	Springfield, V.	19	9		
		A. H. Nevills	II.	2	C	18 Bayham	7	2		
		F. Lyon	II.	2	C	7 Yarmouth	8	1		
T. Girardot	N. Essex	J. A. Porter	I.	4	A	4 Tilbury, W.	12	1	10	
D. A. Maxwell	S. Essex	F. J. Voaden	II.	6	B	Kingsville, V.	12	3	27	
		A. K. Walker	III.	4	B	Amherstburg, T.	10	2		



W. Spankie .....	Frontenac .....	E. E. Farewell .....	I.	5	B	Thornbury, T.	12	1	18
D. McDiarmid .....	Glengarry .....	T. M. Galbraith .....	III.	2	B	4 Euphrasia .....	9	2	17
A. Grier .....	E. Grey .....	W. J. Dowds .....	II.	2	B	13 Collingwood .....	11	1	11
		S. B. Hatch .....	I.	2	C	5 Euphrasia .....	4	1	
		T. A. Wright .....	III.	2	C	3 .....	5	2	
		R. M. Black .....	III.	2	C	3 .....	2	3	
		A. E. Armstrong .....	III.	6	A	Durham, T.	24	15	
N. W. Campbell .....	S. Grey .....	T. Allan .....	I.	4	B	Dundalk, V.	15	4	
		T. H. Blacklock .....	II.	4	B	Markdale V.	28	7	
		J. S. Rowe .....	I.	6	B	Hanover .....	16	8	69
		J. W. Brown .....	I.	3	C	Flesherton .....	5	3	
		G. W. Slaughter .....	II.	2	C	Pricerville .....	6	3	
		W. J. Blakeston .....	II.	4	A	10 Walpole .....	30	12	14
		D. Duff .....	II.	7	A	Milton, T.	23	28	37
		W. F. Inman .....	I.	8	A	Wingham, T.	34	17	44
		A. H. Musgrove .....	II.	4	B	Brussels, V.	27	15	63
		I. H. Cameron .....	II.	2	B	Blyth, V.	16	5	9
		A. H. Plummer .....	II.	2	B	4 Turnberry .....	12	3	52
		A. McEwen .....	II.	1	C	7 Howick .....	10	3	
		G. E. McKee .....	II.	1	C	9 Turnberry .....	5	3	77
		D. Fraser .....	II.	1	C	4 Morris .....	5	1	
		I. D. E. Henry .....	II.	1	C	5 Howick .....	5	1	
		T. G. Shearer .....	II.	2	C	7 Grey .....	6	2	
		W. H. Robinson .....	II.	1	C	7 McKillop .....	5	1	
		C. White .....	II.	2	C	17 Howick .....	6	2	
		W. Waters .....	II.	7	A	Exeter, V.	24	7	
J. E. Tom .....	S. Huron .....	S. J. A. Boyd .....	I.	3	B	Hensall, V.	14	2	
		W. McKay .....	II.	2	B	8 Ashfield .....	10	6	84
		T. G. Allen .....	II.	3	C	5 Stephen .....	9	4	
		G. Bloomfield .....	III.	2	C	10 Stanley .....	6	2	
		W. Baird .....	III.	1	C	2 Wawanosh, W.	5	1	
		J. C. Martin .....	I.	2	C	2 Colborne .....	5	1	
		J. J. Tigert .....	I.	2	C	Bayfield, V.	9	1	
		J. W. Holman .....	II.	4	B	Bothwell, T.	12	2	
		J. McPherson .....	II.	8	B	Blenheim, T.	15	5	69
		J. C. Hamilton .....	II.	4	B	Highgate .....	15	2	
		P. B. Fetterly .....	II.	4	B	Thamesville, V.	13	6	
		J. G. Cameron .....	II.	2	C	Harwich .....	9	1	
		O. R. Edwards .....	II.	10	A	2 <sup>1</sup> Wallaceburg, T.	73	42	
		J. W. Plewes .....	I.	8	A	Dresden, T.	31	13	
		G. A. Millar .....	I.	3	B	Tilbury, V.	12	4	75
		W. A. Hutton .....	III.	2	C	Merlin .....	9	5	
		K. Schwenier .....	III.	1	C	8 Chatham .....	6	4	
		L. McCong .....	III.	1	C	11 Dover .....	5	2	
		G. Stewart .....	III.	1	C				
W. H. G. Colles .....	E. Kent .....	J. McPherson .....	II.	4	B				
		J. C. Hamilton .....	II.	8	B				
		P. B. Fetterly .....	II.	4	B				
		J. G. Cameron .....	II.	4	B				
		O. R. Edwards .....	II.	2	C				
		J. W. Plewes .....	I.	10	A				
		G. A. Millar .....	I.	3	B				
		W. A. Hutton .....	III.	2	C				
		K. Schwenier .....	III.	1	C				
		L. McCong .....	III.	1	C				
		G. Stewart .....	III.	1	C				
W. Park .....	W. Kent .....	J. W. Plewes .....	I.	8	A				
		G. A. Millar .....	I.	3	B				
		W. A. Hutton .....	III.	2	C				
		K. Schwenier .....	III.	1	C				
		L. McCong .....	III.	1	C				
		G. Stewart .....	III.	1	C				

## APPENDI F.

Name of Inspector.	Jurisdiction.	Name of Principal.	Professional Certificates.	No. of Teachers.	Class of School. (Reg. 21.)	Name of School.	H. S. En- trance.	No. of pupils attending who had passed exam- inations be- fore 1899.	No. of other successful candidates at F. S. Leav- ing Exam. from schools in municipalities having no High Schools.	Schools in municipalities having H. S. from which pupils not attending such H. S. were success- ful at the Public School. Leaving Examinations.
C. A. Barnes .....	1. Lambton .....	C. B. Latta .....	II.	5	A	Alvinston, V .....	20	5	47	
J. Brebner .....	2. Lambton .....	C. H. Barnes .....	II.	3	B	Arcona, V .....	18	7		
		H. J. Beaton .....	II.	5	B	Oil Springs, V .....	13	12		
		J. J. Wilson .....	II.	2	A	17 Enniskillen .....	10	5	21	
		J. B. Colton .....	II.	3	C	11 Moore .....	7	2		
		T. Jarrott .....	II.	2	C	18 " .....	4	2		
F. L. Michell .....	Lanark .....	R. Beatty .....	II.	5	A	Lanark, V .....	29	13	23	
		J. L. Bryant .....	I.	3	B	4 Pakenham .....	10	4		
		M. Ellis .....	II.	1	C	5 " .....	7	3		
		D. Hicks .....	B.A.	3	C	4 Crosby, N .....	8	4	31	
W. Johnston .....	1. Leeds .....	H. Holbrook .....	I.	3	C	Newboro', V .....	7	2		
		R. Hanna .....	II.	2	C	5 Crosby, S. ....	6	1	10	
R. Kinney .....	2. Leeds .....								19	
T. A. Craig .....	3. Leeds .....	J. Morgan .....	I.	3	B	Bath, V .....	17	14	19	
F. Barrowes .....	Lennox and Addington.								12	
J. B. Grey .....	Lincoln .....								64	
J. Dearness .....	E. Middlesex .....								38	
H. D. Johnson .....	W. Middlesex .....	J. E. Hodgson, B.A.	I	4	B	Delhi, V .....	12	4	59	
J. J. Wadsworth .....	Norfolk .....	W. J. Wright .....	II.	4	A	Warkworth, V .....	19	14	55	
A. Odell .....	Northumberland .....	R. J. Johnston .....	II.	5	A	Cannington, V .....	21	2	38	
J. McBrien .....	N. Ontario .....	D. McQueen .....	II.	2	C	Manilla .....	6	3	15	
J. Waugh .....	S. Ontario .....	J. E. Hodgson .....	B.A.	5	A	Norwich, V .....	26	5		
W. Canlyle .....	Oxford .....	C. Garthwaite .....	II.	3	B	6 S. " .....	21	8		
		M. B. Huggill .....	II.	2	B	5 Dereham .....	10	3		
		J. Little .....	I.	3	B	11 Blenheim .....	15	8	70	
		G. Pentland .....	I.	3	B	24 " .....	10	5		
		G. R. Theobald .....	I.	3	B	Embros, V .....	28	10		
		C. Cameron .....	I.	4	A	13 E. Zorra .....	5	1		
A. Embury .....	Peel .....	J. Graham .....	I.	4	A	Solton, V .....	11	6	33	
W. Irwin .....	Perth .....	A. C. Willson .....	II.	2	B	15 Caledon .....	7	1		
		A. L. McLennan .....	B.A. Int.	3	B	Milverton, V .....	10	1	55	
		D. Ross .....	I.	1	C	2 N. Easthope .....	5	3		
J. C. Brown .....	Peterborough .....	W. A. Evans .....	I.	5	B	Lakefield, V .....	8		31	

W. J. Summerby	Prescott and Russell	J. A. Rundle	I.	2	B	11	10	22
G. D. Platt	Prince Edward	W. J. O'Boone	I.	2	B	7	5	13
		W. K. McKibbin	II.	2	B	17	8	13
		W. R. Brown	II.	1	C	13	2	25
		Mrs. J. S. Palen	III.	1	C	6	2	6
		E. Vauduseu	III.	1	C	12	2	2
R. G. Scott	Renfrew	G. R. Wood	II.	2	B	7	10	20
		J. E. McDonald	II.	1	C	2	9	6
		G. E. Fletcher	III.	1	C	6	2	6
I. Day	E. Simcoe	S. Tewksbury	II.	3	B	7	1	30
		R. G. Nesbitt	II.	4	A	12	1	11
J. C. Morgan	N. Simcoe	A. McKee	I.	11	B	7	5	16
		W. Burkholder	II.	4	B	9	2	7
		M. Johnstone	II.	1	C	3	4	10
		W. Sparks	I.	4	A	3	2	7
T. McKee	S. Simcoe	J. A. McPherson	II.	4	A	9	2	10
		H. J. Brown	I.	4	A	3	4	7
		T. Gowan	II.	4	A	3	2	10
		A. N. Scarrow	I.	6	A	3	2	28
		T. E. Langford	M.A.	3	A	3	2	30
		N. S. McEachern	II.	2	C	6	3	6
		G. Sutherland	II.	2	C	7	2	6
		W. L. Kidd	I.	2	C	7	2	7
		J. E. Holt	II.	2	C	6	1	6
		C. Deering	II.	1	C	7	1	7
		T. J. Ryan	II.	1	C	5	1	5
		K. Irwin	II.	1	C	6	1	6
		R. Little	II.	1	C	5	2	5
		W. Bradley	I.	1	C	5	1	5
		J. A. Corbett	II.	1	C	9	1	9
		W. Bell	II.	3	C	2	2	2
A. McNaughton	Stormont	H. B. Fetterly	I.	3	A	14	2	14
		J. Froats	I.	3	A	3	2	3
		R. A. Baker	III.	3	B	4	3	4
J. H. Knight	E. Victoria	W. Hickson	II.	4	B	8	10	8
H. Reazin	W. Victoria	C. Lapp	II.	2	B	7	6	7
		C. H. Maybee	II.	6	B	6	6	6
		E. Mesgrove	II.	2	B	12	10	12
		G. H. O. Thomas	II.	8	B	11	2	11
T. Pearce	Waterloo	T. G. O. Baker	II.	6	B	14	10	14
J. H. Ball	Welland	E. E. Dadson	I.	4	A	8	8	8
		E. Ross	II.	3	B	11	6	11
		C. E. Hansel	II.	3	B	12	6	12
		D. Forsyth	II.	8	A	29	10	29
D. Clapp	N. Wellington	G. A. Campbell	II.	4	A	16	8	16
		J. A. Gray	II.	3	B	12	4	12
		C. Long	II.	2	C	6	2	6
		Mary Duncan	II.	2	C	8	3	8



[illegible]

## 2 ADMISSION OF CANDIDATES TO COLLEGIATE INSTITUTES AND HIGH SCHOOLS.

Name of School.	Entrance Examination, June, 1899.		Public School Leaving Examination, June, 1899.		
	Examined.	Passed.	Examined.	Passed.	Passed Entrance on Public School Leaving Papers.
Alexandria ..	77	35	5	2	
Almonte ..	50	30	9	4	
Arnprior ..	49	30	7	3	3
Arthur ..	46	37	3	3	
Athens ..	92	37	18	9	3
Aurora ..	56	43	5	1	1
Aylmer C.I. ..	129	80	22	10	12
Barrie C.I. ..	77	57	25	9	11
Beamsville ..	53	35			
Belleville ..	236	144	26	23	
Berlin ..	146	125	8	4	
Bowmanville ..	64	47	14	6	8
Bradford ..	35	28	9	6	1
Brampton ..	101	61	12	5	6
Brantford C.I. ..	216	107	37	20	14
Brighton ..	33	30	5	4	
Brockville C.I. ..	126	100	5	1	4
Caledonia ..	51	34	5	3	2
Campbellford ..	55	36	4	4	
Carleton Place ..	89	60	2	2	
Cayuga ..	56	33	6	4	1
Chatham C.I. ..	121	95	13	8	5
Clinton C.I. ..	72	64	21	13	6
Cobourg C.I. ..	82	54	6	5	1
Colborne ..	42	28	11	9	
Collingwood C.I. ..	80	58	1	1	
Cornwall ..	116	93	12	5	7
Deseronto ..	41	27	7	6	1
Dundas ..	65	45	2	2	
Dunnville ..	70	39	8	4	4
Dutton ..	46	39	21	15	6
Elora ..	31	22	3	1	
Essex ..	50	23	2	2	
Fergus ..	65	44	22	15	3
Forest ..	41	31	2	2	
Galt C.I. ..	136	87	17	9	3
Gananoque ..	68	34	11	7	4
Georgetown ..	43	28	15	7	4
Glencoe ..	70	55	9	7	1
Goderich C.I. ..	69	58	19	13	1
Gravenhurst ..	55	26	13	5	
Grimsby ..	29	22			
Guelph C.I. ..	129	114	2	1	1
Hagersville ..	40	29	6	6	
Hamilton C.I. ..	464	350	123	46	12
Harriston ..	30	23	4	4	
Hawkesbury ..	22	19			
Ingersoll C.I. ..	93	53	6	4	2
Iroquois ..	74	39			
Kemptville ..	48	24	15	6	8
Kincardine ..	52	45	5	4	
Kingston C.I. ..	176	147	10	1	9
Leamington ..	73	30	2	2	0
Lindsay C.I. ..	83	62	13	10	
Listowel ..	70	49	19	10	9
London C.I. ..	376	300			0
Lucan ..	106	60	15	10	1
Madoc ..	73	39	8	6	
Markham ..	132	104	20	14	6
Meaford ..	48	33	11	7	2
Mitchell ..	71	50	6	4	2
Morrisburg C.I. ..	93	52	17	12	
Mount Forest ..	53	39	16	10	6

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Name of School.	Entrance Examination, June, 1899.		Public School Leaving Examination, June, 1899.		
	Examined.	Passed.	Examined.	Passed.	Passed Entrance on Public School Leaving Papers.
Napanee C.I.	124	56	8	6	2
Newburgh	105	58	7	6	1
Newcastle	19	13	2	2	
Newmarket	51	38	8	5	3
Niagara	19	18			
Niagara Falls C.I.	68	57	1	1	
Niagara Falls, South	39	34			
Norwood	74	48	19	4	
Oakville	39	24	13	7	5
Omeme	32	19	14	12	
Orangeville	69	40	16	7	
Orillia	79	34	21	14	7
Oshawa	79	51	6	3	3
Ottawa C.I.	257	179	118	70	44
“ Water street Convent			20	20	
Owen Sound C.I.	125	63	16	8	5
Paris	68	48	3		3
Parkhill	96	49	16	10	5
Pembroke	92	52	22	16	5
Perth C.I.	101	74	7	3	
Peterborough C.I.	167	98	6	4	2
Petrolia	73	47			
Pictou	153	86	22	17	1
Port Arthur	33	18			
Port Dover	32	24	1		
Port Egin	61	47	3	2	
Port Hope	59	44	5	2	3
Port Perry	58	40	17	5	12
Port Rowan	39	20	6	4	
Prescott	59	38			
Renfrew	124	78	40	28	11
Richmond Hill	65	44			
Ridgetown C.I.	81	51	20	7	5
Sarnia C.I.	147	71	9	4	5
Seaford C.I.	53	29	6	3	2
Simcoe	105	60	28	17	9
Smith's Falls	60	45			
Smithville	35	23	6	5	1
Stirling	152	24	4	1	
Stratford C.I.	170	116	16	13	2
Strathroy C.I.	572	82	44	13	9
Streetsville	28	15	1		1
St. Catharines C.I.	115	89			
St. Mary's C.I.	98	64	20	15	1
St. Thomas C.I.	158	115			
Sydenham	70	42	9	5	1
Thorold	58	48			
Tilsenburgh	72	37	13	4	6
Toronto C.I. (Harbord St.)	214	173	117	83	23
“ “ (Jameson Ave.)	144	107	55	27	13
“ “ (Jarvis St.)	168	122	100	71	25
Toronto Junction	74	46	4	3	
Trenton	45	42	3	2	1
Uxbridge	64	43	13	6	7
Vankleeckhill	73	46	3	1	2
Vienna	26	14	13	9	4
Walkerton	67	45	10	9	1
Wardsville	18	16	1		1
Waterdown	35	27	8	2	3
Waterford	66	34	12	7	4
Watford	68	44	6	3	1
Welland	61	35	8	4	
Weston	49	33	16	11	5
Whitby C.I.	59	42	9	7	2
Warton	37	25	3	1	2
Williamstown	88	44	18	12	4
Wind-or C.I.	139	115			
Woodstock C.I.	156	104	31	22	9



## 2 ADMISSION OF CANDIDATES TO COLLEGIATE INSTITUTES AND HIGH SCHOOLS.

Name of School.	Entrance Examination, June, 1899.		Public School Leaving Examination, June, 1899.		
	Examined.	Passed.	Examined.	Passed.	Passed Entrance on Public School Leaving Papers.
Other places.					
Aberfoyle	29	15	13	6	
Allandale					
Allenford	20	5	3	2	1
Alliston	28	25	32	19	13
Alvinston	50	25	18	11	5
Ameliasburg	40	31	13	11	
Amherstburg	44	16	10	7	3
Ancaster	26	14	20	15	5
Angus	17	14	6	4	2
Arkona	21	15	10	9	1
Avonmore	35	19	11	8	3
Ayr	15	10	17	9	3
Bancroft	15	7	2	2	
Bath	43	17	10	7	3
Bayfield	16	12	6	5	
Belle River	33	16	13	11	2
Beaverton	24	9	15	7	6
Beeton	13	9	12	11	1
Belmont	44	27	18	15	3
Binbrook	29	21	15	9	5
Blackstock	22	14	8	3	4
Blenheim	31	16	27	20	6
Blyth	20	13	8	5	2
Bobcaygeon	15	4	5	2	
Bolton	24	15	25	19	6
Bothwell	21	16	11	10	1
Bracebridge	34	24	25	21	
Bridgeburg	21	19	16	14	
Brigden	25	10	8	2	6
Bruce Mines	10	6	3	1	
Brussels	48	37	29	24	5
Burk's Falls	31	20	19	13	5
Burlington	34	25	13	12	1
Burritt's Rapids	9	2	2		2
Cannington	40	30	29	18	11
Cardinal	18	4	9	2	5
Castleton	9	5	14	11	
Chapleau	5	3	1	1	
Charleston	31	9	16	4	11
Chatsworth			5	1	3
Chesley	32	21	27	24	3
Claremont	22	15	8	7	1
Clifford	8	4	6	1	5
Comber	25	14			
Cookstown	23	15	28	22	6
Courtright	13	9	6	3	3
Creemore	34	32	23	16	7
Crediton	23	15	5	5	
Crosshill	20	9	6	4	
Cumberland	22	16	7	2	5
Delhi	41	33	25	20	4
Delta	33	7	15	5	4
Drayton	24	14	12	9	3
Dresden	41	32	9	7	2
Drumbo			10	5	1
Dundalk	42	13	20	9	4
Dungannon	20	16	11	8	3
Durham	57	41	39	28	9
Eganville	47	23	48	28	20
Eglinton	21	14	7	1	
Elmira	8	5	2		
Elmvale	28	21	11	3	6
Emo	4	2			
Embro	25	18	24	22	2
Erin	37	22	23	19	2
Exeter	47	42	25	22	3
Fenelon Falls	37	15	27	15	

## 2. ADMISSION OF CANDIDATES TO COLLEGIATE INSTITUTES AND HIGH SCHOOLS.

Name of School.	Entrance Examination, June, 1889.		Public School Leaving Examination, June, 1899.		
	Examined.	Passed.	Examined.	Passed.	Passed Entrance on Public School Leaving Papers.
Fingal .....	59	30	39	23	16
Flesherton .....	40	25	13	5	4
Flinton .....					
Florence .....	43	26	11	9	2
Fordwich .....	15	8	8	6	
Fort William .....	14	12			
Glen Allan .....	12	5	10	5	4
Gore Bay .....	15	10	11	10	1
Grand Bend .....					
Grand Valley .....	36	14	16	12	2
Hanover .....	4	4	20	14	5
Harrow .....	18	6	9	4	3
Hastings .....	27	13	2	2	
Hensall .....	18	11	12	11	1
Hepworth .....	7	1	3	2	1
Highgate .....	24	6	16	13	2
Hillsdale .....	14	10	3	3	
Horning's Mills .....	5	2	10	7	3
Huntsville .....	18	10	14	12	2
Jarvis .....	29	23	23	21	2
Kimberley .....	14	7	9	4	4
Kingsville .....	28	22	13	12	1
Kintail .....	22	17	6	3	2
Kirkfield .....	26	13	28	15	
Lakefield .....	58	30	18	12	
Lanark .....	45	23	15	5	2
Lancaster .....	14	12	9	7	1
Little Current .....	5	4	2	1	
Lion's Head .....	9	4	2	1	
London East .....	216	113	75	53	3
Lucknow .....	25	19	14	9	
Manitowaning .....	9	7	6	4	2
Markdale .....	26	15	15	7	4
Marshville .....	33	22	30	21	
Marsville .....	4	3	1	1	
Mattawa .....	23	13	24	8	8
Maxville .....	46	21	5	3	2
Merlin .....	27	20	11	8	2
Merrickville .....	24	10	14	6	8
Metcalfe .....	25	19	22	15	6
Midland .....	37	13	5	3	2
Millbrook .....	61	46	14	11	3
Milton .....	71	46	48	38	
Milverton .....	27	14	25	20	4
Minden .....	10	8	28	20	8
Moorefield .....	8	3	8	5	3
Mount Hope .....	15	8	14	7	7
Newboro .....	33	12	21	14	
New Hamburg .....	25	17	7	3	
Neustadt .....	4	3	3		2
North Augusta .....	14	3	4	4	
North Bay .....	52	35	17	14	
Norwich .....	61	37	2	2	
Oakwood .....	31	17	16	11	
Oil Springs .....	27	14	7	6	1
Orono .....	23	12	5	2	3
Paisley .....	48	34	26	22	
Pakenham .....	42	20	18	13	1
Palmerston .....	33	26	14	6	8
Parry Sound .....	43	32	18	17	
Pelee Island .....	2	1	3		
Pelham, S. S. No. 2 .....	31	25	17	14	
Penetanguishene .....	17	10	13	11	2
Plantagenet .....	32	14	13	8	5
Plattsville .....	30	19	8	7	1
Port Stanley .....	19	12	14	10	4
Raleigh, S. S. No. 10 .....	10	2	9	5	3
Randwick .....	9	2	3	2	1

## 2. ADMISSION OF CANDIDATES TO COLLEGIATE INSTITUTES AND HIGH SCHOOLS.

Name of School.	Entrance Examination, June, 1899.		Public School Leaving Examination, June, 1899.		
	Examined.	Passed.	Examined.	Passed.	Passed Entrance on Public School Leaving Papers.
Rat Portage.....	41	33	2	2	.....
Richmond.....	66	40	34	28	6
Ridgeway.....	40	31	17	12	.....
Ripley.....	30	27	11	10	.....
Rockton.....	32	21	12	9	3
Rockwood.....	18	12	11	8	.....
Rodney.....	36	29	14	14	.....
Rosemont.....	2	1	1	.....	.....
Russell.....	17	12	17	12	5
Sault Ste. Marie.....	28	15	12	12	.....
Schomberg.....	6	4	10	7	3
Schrieber.....	9	5	1	1	.....
Selkirk.....	33	21	7	5	2
Sharbot Lake.....	11	8	10	7	.....
Shelburne.....	26	9	20	10	.....
South Finch.....	46	26	11	7	4
Sparta.....	23	9	14	6	8
Spencerville.....	26	8	8	5	3
Springfield.....	22	19	15	7	8
St. Helen's.....	11	7	4	4	.....
Stayner.....	38	32	15	12	3
Stoney Creek.....	45	32	7	6	1
Strabane.....	20	13	5	1	4
Stroud.....	28	20	11	9	2
Sturgeon Falls.....	2	2	10	3	.....
Sudbury.....	17	12	14	8	1
Sutton West.....	22	18	12	6	6
Tara.....	16	10	9	7	1
Tecumseth.....	26	12	6	3	3
Teeswater.....	35	28	18	15	.....
Thamesville.....	36	19	37	20	12
Thedford.....	25	19	7	7	.....
Thessalon.....	15	5	3	1	.....
Thornbury.....	41	26	4	3	1
Tilbury Centre.....	10	7	17	13	3
Tiverton.....	13	7	7	7	.....
Tottenham.....	37	28	32	23	9
Tweed.....	55	27	28	24	.....
Uptergrove.....	37	26	20	7	13
Wallaceburg.....	48	33	34	29	5
Warkworth.....	31	27	17	12	1
Waubashene.....	32	22	14	9	.....
Webbwood.....	8	4	1	.....	1
West Lorne.....	23	20	9	8	1
Westport Separate School.....	27	12	14	5	.....
West Winchester.....	116	58	58	35	1
Wheatley.....	17	9	11	9	2
Wilkesport.....	24	9	6	3	3
Wingham.....	56	41	34	28	4
Woodbridge.....	16	7	.....	.....	.....
Wolfe Island.....	31	23	7	4	1
Wooler.....	15	13	9	7	2
Wroxeter.....	28	22	9	8	1
Wyoming.....	40	28	16	12	4
Zephyr.....	11	6	4	3	1
Zurich.....	25	19	9	8	1
Summary.....					
Collegiate Institutes.....	5,223	3,645	.....	.....	.....
High Schools.....	5,881	3,784	.....	.....	.....
Other Places.....	5,205	3,175	.....	.....	.....
Grand total.....	16,309	10,604	4,368	2,825	933
Comparison with June, 1898.....					
Increase.....	.....	993	.....	.....	.....
Decrease.....	552	.....	912	845	397



## APPENDIX G.—TEACHERS' INSTITUTES.

Name of Institute.	Number of Institutes	Number of members.	Government grants.		Municipal grants.		Members' fees.		Balances and other sources.		Total receipts.		Printing, postage, etc.		Libraries, educational journals, etc.		Miscellaneous.		Total expenditure.		Balances.	
			£	s	£	s	£	s	£	s	£	s	£	s	£	s	£	s	£	s	£	s
Algoma, E.	1	43	25 00		25 00				4 00		29 00		10 40		16 45				26 85		2 15	
" W.	1	25	25 00		25 00				51 56		76 56		2 46		69 01				71 47		5 09	
Brant	1	150	25 00		25 00		25 00		141 34		191 34		4 55		8 09		34 45		47 09		144 25	
Bruce, E.	1	126	25 00		25 00		25 00		71 98		121 98		13 46				82 68		56 14		25 84	
" W.	1	38	25 00		25 00		25 00		165 09		224 59		16 44		26 75		63 70		106 89		117 70	
Carleton	1	134	25 00		25 00				47 55		72 55		5 88				41 00		46 88		25 67	
Dufferin	1	115	25 00		25 00						59 25		14 10		12 88		32 27		59 25			
Dundas	1	72	25 00		25 00				61 17		86 17		24 97				46 55		71 52		14 65	
Durham	1	120	25 00		25 00		25 00		111 98		161 98		7 92		19 75		19 30		46 97		115 01	
Elgin	1	150	25 00		25 00		50 00		42 90		117 90		6 50				25 60		31 50		86 40	
Essex	1	65	25 00		25 00		50 00		76 03		151 03		17 50				79 00		96 50		54 53	
" S.	1	106	25 00		25 00		50 00		99 56		174 56		24 68				11 00		35 68		138 88	
Frontenac	1	147	25 00		25 00		25 00		29 18		79 18		3 64				38 48		42 12		87 06	
Grenville (S Leeds)	1	100	25 00		25 00				19 74		44 74		8 42				21 90		25 32		19 42	
Grey, E. (N)	1	32	25 00		25 00		25 00		60 27		118 27						51 40		51 40		66 87	
" W.	1	88	25 00		25 00		25 00		49 97		99 97		14 30		7 50		28 30		50 10		49 87	
" S.	1	64	25 00		25 00		16 00		253 19		319 19		9 85		65 60		78 35		154 00		165 19	
Glengarry	1	92	25 00		25 00		25 00		27 39		77 39		21 33				16 15		37 48		39 91	
Haliburton	1	25	25 00		25 00		25 00		64 45		114 45		2 27		9 25		27 10		38 62		75 83	
Hastings, N.	1	108	25 00		25 00				102 61		127 61		12 07		6 00		65		18 72		108 89	
" S.	1	133	25 00		25 00		25 00		268 68		318 68		9 00				18 00		27 00		291 68	
Haldimand.	1	125	25 00		25 00		25 00		184 32		234 39		6 90		25 00		31 65		63 55		170 84	
Halton.	1	90	25 00		25 00		25 00		150 63		200 63		10 71		28 71		36 61		74 03		126 60	
" E. (N)	1	132	25 00		25 00		25 00		119 23		169 23		4 00				71 50		75 50		93 73	
" W. (S)	1	32	25 00		25 00		25 00		37 86		100 86		7 08		12 00		40 30		59 38		41 48	
Kent, E.	1	85	25 00		25 00		25 00		103 03		153 03		5 48				64 00		69 48		83 55	
" W. (C. D.)	1	135	25 00		25 00		25 00		51 00		124 50		15 21		1 92		59 60		76 73		47 77	
Lambton, E. (1)	1	114	25 00		25 00		25 00		22 30		120 80		29 94				25 97		55 91		64 89	
" W. (2)	1	124	25 00		25 00		25 00		64 78		114 78		28 69				17 10		45 79		68 99	
Lanark	1	175	25 00		25 00		25 00		144 53		224 53		1 30		66 75		32 00		100 05		121 48	
Lennox and Addington	1	131	25 00		25 00		25 00		73 10		123 10		6 75		50 88		22 24		79 87		43 23	
Leeds, E. (2)	1	130	25 00		25 00		25 00		218 58		287 08		16 61		57 40		28 10		102 11		184 97	
Leeds, W. (1)	1	101	25 00		25 00		25 00		98 65		148 65		5 33		30 75		25 45		61 53		87 12	



## APPENDIX H.—COUNTY MODEL SCHOOLS.

Name of Model School.	Name of Principal.	Certificate of Principal.	Salary of Principal.	Year of appointment.	Time Principal devotes to Model School work during the term.	No. of assistants with 1st class certificates.	No. with 2nd class.	No. with 3rd class.	No. with other class.	What time did assistant relieve a Principal from public work?	Is separate room provided?	Is there a professional library?	Government grants.	Municipal grants.	Fees.	No. of divisions in school.	No. of Divisions used for Model School purposes.	No. of pupils sent at one time to observe or teach.	Length of time students are trained before being sent to the division to observe.	Length of time students are trained before being sent to the divisions to teach.
Athens	R. Thompson	I.	700 1896	1896	all day	1	3	1	1	all day	1	41	150	150	125	4	4	6	6 w	6 w
Barrie	W. J. Hallett	I.	900 1893	1893	"	1	8	1	1	"	1	45	150	150	100	9	9	3	6 w	6 w
Beamsville	J. R. Bulmer	I.	600 1898	1898	"	1	8	1	1	"	1	75	150	150	100	4	4	5	6 w	6 w
Berlin	J. Suddaby	I.	1,150 1877	1877	"	1	5	4	1	"	1	45	150	150	50	12	10	2	6 w	6 w
Bracebridge	G. H. O. Thomas	I.N.P.	650 1885	1885	"	1	4	3	1	"	1	108	150	150	65	9	8	6	6 w	6 w
Bradford	A. Orton	I.	750 1888	1888	"	1	3	1	1	"	1	46	150	150	72	4	4	4	7 w	7 w
Brampton	A. Barber	I.	800 1894	1894	"	1	9	1	1	"	1	40	150	150	69	10	10	4	6 w	8 w
Brampton	W. Wilkinson	I.	1,275 1872	1872	5 1/2 h	2	13	2	1	"	1	220	150	150	80	17	12	4	4 w	6 w
Caledonia	A. B. Shantz	I.	700 1895	1895	all day	1	13	1	1	"	1	175	150	150	135	4	4	8	6 w	6 w
Chatham	T. C. Smith	I.	800 1893	1893	"	1	9	1	1	"	1	300	150	150	215	11	10	4	6 w	7 w
Clinton	W. R. Lough	I.	825 1884	1884	"	1	6	2	1	"	1	45	150	150	145	8	8	4	6 w	6 w
Cobourg	W. J. Hamilton	I.	840 1895	1895	"	1	7	3	1	"	1	60	150	150	78	5	11	4	6 w	6 w
Collingwood	E. Ward	I.	950 1880	1880	"	1	6	8	1	"	1	52	150	150	50	14	14	2	6 w	6 w
Cornwall	J. Connolly	I.	900 1892	1892	"	1	9	1	1	"	1	50	150	150	100	11	10	3	6 w	6 w
Durham	T. Allan	I.	700 1888	1888	"	1	3	1	1	"	1	40	150	150	105	5	5	5	6 w	6 w
Elora	L. K. Falls	I.	650 1894	1894	"	2	3	1	1	"	1	58	150	150	103	5	5	5	6 w	6 w
Forestburg	J. Campbell	I.	700 1894	1894	"	1	5	1	1	"	1	40	150	150	150	6	6	5	6 w	6 w
Galt	R. Alexander	I.	1,000 1875	1875	"	1	7	1	1	"	1	48	150	150	55	8	8	6	6 w	7 w
Gananoque	J. C. Linklater	I.	1,000 1888	1888	"	1	5	6	1	"	1	51	150	150	60	12	12	6	6 w	6 w
Goderich	S. P. Halls	I.	900 1894	1894	"	1	11	1	1	"	1	55	150	150	125	12	12	3	6 w	6 w
Hamilton	W. H. Elliott	M.A.	1,300 1893	1893	"	34	93	13	10	"	1	600	150	150	120	12	11	4	5 w	5 w
Ingersoll	H. F. McHardy	B.A.	900 1885	1885	"	2	7	3	1	"	1	46	150	150	50	28	13	4	4 w	4 w
Kingcardine	F. C. Powell	I.	850 1887	1887	6 h	1	3	2	1	"	1	38	150	150	85	6	6	3	6 w	6 w
Kingston	R. K. Row	B.A.	1,100 1885	1885	all day	1	19	1	1	"	1	160	150	150	180	8	42	4	4 w	4 1/2 w
Lindsay	G. E. Broderick	I.	1,000 1888	1888	"	1	1	1	1	"	1	50	150	150	167	19	17	2	3 w	6 w
London	R. M. Graham	I.	1,200 1891	1891	"	1	9	1	1	"	1	40	150	150	88	10	10	4	5 w	6 w
Madoc	T. C. Tice	I.	750 1887	1887	"	1	6	4	1	"	1	34	150	250	171	6	6	6	6 w	6 w
Meadow	A. A. Jordan	I.	750 1891	1891	"	4	4	4	1	"	1	52	150	150	80	8	8	2	6 w	8 w
Milton	W. F. Inman	I.	750 1893	1893	"	4	4	2	1	"	1	44	150	200	130	6	5	5	6 w	6 w





APPENDIX H.

Name of Model School.

Name of Model School.	During how many weeks do students teach in the divisions?	How many hours per day?	Total number of classes in the divisions used for Model School purposes.	Average number of lessons taught by each student during the term.	Average number of lessons each class will be taught by all the students during the term.	Average length of each lesson.	How long does a student remain in a division before passing to another?	Number of students on roll.	Male.		Female.		Number who passed final examination.			Number with senior leaving certificate.	Number with junior.	Number with primary.	Number with district.	Allowance made by trustees to principal's assistant.	Number of renewals granted by the board.	Average age of students.
									Male.	Female.	Male.	Female.	Total.									
Athens .....	6 w.	2	11	20	45	20 m.	4 d.	25	7	18	18	7	18	25	13	12	12	120	5	19		
Barrie .....	6 w.	30 m.	20	20	14	20 m.	4 d.	20	6	14	13	6	12	18	9	10	10	125	3	20		
Beamsville .....	6 w.	1	11	20	36	20 m.	6 d.	20	7	13	14	6	12	18	12	8	8	125	12	13		
Berlin .....	6 w.	1	18	24	17	25 m.	4 d.	10	5	9	9	5	5	10	6	4	4	450	14	13		
Bracebridge .....	6 w.	2	16	20	19	15 m.	2 d.	17	4	11	11	6	5	11	3	5	5	9	150	1	18	
Bradford .....	6 w.	2	10	20	30	20 m.	1 w.	15	8	7	7	8	7	15	4	9	2	125	1	18		
Brampton .....	6 w.	1	20	30	22	20 m.	3 d.	17	9	11	11	5	11	16	1	7	9	125	3	13		
Brantford .....	6 w.	2	21	26	10	30 m.	2 d.	7	2	5	5	2	5	7	2	4	1	125	4	18		
Caledonia .....	6 w.	2	8	15	50	20 m.	1 w.	27	15	12	12	15	12	27	18	9	1	125	11	19		
Chatham .....	4 w.	1	22	20	40	20 m.	2 d.	43	11	32	10	31	41	49	25	15	13	125	38	18		
Clinton .....	5 w.	1	18	20	18	20 m.	3 d.	29	15	14	15	14	14	29	16	13	12	140	19	13		
Cobourg .....	6 w.	1	30	25	15	30 m.	2 d.	18	11	7	7	9	4	13	1	5	12	130	20	20		
Collingwood .....	4 w.	1	21	17	8	20 m.	1 w.	10	8	2	2	8	2	10	3	7	10	130	20	20		
Cornwall .....	6 w.	1	12	20	18	20 m.	1 w.	22	5	17	15	5	17	22	10	12	150	14	19			
Durham .....	4 w.	1	13	18	29	20 m.	3 d.	21	6	15	15	6	14	20	6	14	125	13	19			
Elora .....	6 w.	1	14	11	18	18 m.	3 d.	23	11	12	12	8	11	19	11	11	125	16	13			
Forest .....	6 w.	1	17	18	23	20 m.	1 w.	28	11	17	10	13	23	23	15	13	125	19	19			
Galt .....	4 w.	1	15	21	17	20 m.	1 d.	13	6	7	6	6	6	12	8	5	150	19	19			
Gananoque .....	6 w.	1	22	24	20	20 m.	1 w.	12	5	7	7	5	7	12	5	7	150	2	18			
Hamilton .....	6 w.	1	14	20	26	20 m.	4 d.	25	13	12	12	10	12	22	8	17	150	6	19			
Goderich .....	8 w.	1	20	20	8	25 m.	1 w.	24	10	14	14	9	12	21	3	4	150	16	20			
Ingersoll .....	5 w.	1	14	25	8	22 m.	4 d.	6	8	3	3	3	3	6	17	4	50	16	20			
Kincardine .....	7 w.	1	18	18	17	25 m.	3 d.	17	6	11	5	9	9	14	6	6	50	14	19			
Kingston .....	18 w.	1	42	18	13	20 m.	9 d.	36	11	25	24	24	36	4	9	7	10	10	19	19		
Lindsay .....	7 w.	1	16	20	16	25 m.	2 d.	26	11	25	9	23	32	12	13	13	99	10	18	18		
London .....	6 w.	1	15	20	47	20 m.	2 d.	34	9	28	28	9	25	34	8	24	10	10	19	19		
Madoc .....	7 w.	1	13	29	15	15 m.	5 d.	35	12	23	23	12	23	35	13	19	8	140	15	19		
Messford .....	3 w.	1	13	20	15	25 m.	1 d.	16	8	8	8	8	8	85	7	8	8	100	9	19		
Milton .....	6 w.	1	17	18	27	20 m.	1 w.	26	6	7	17	7	17	24	12	9	2	150	4	19		





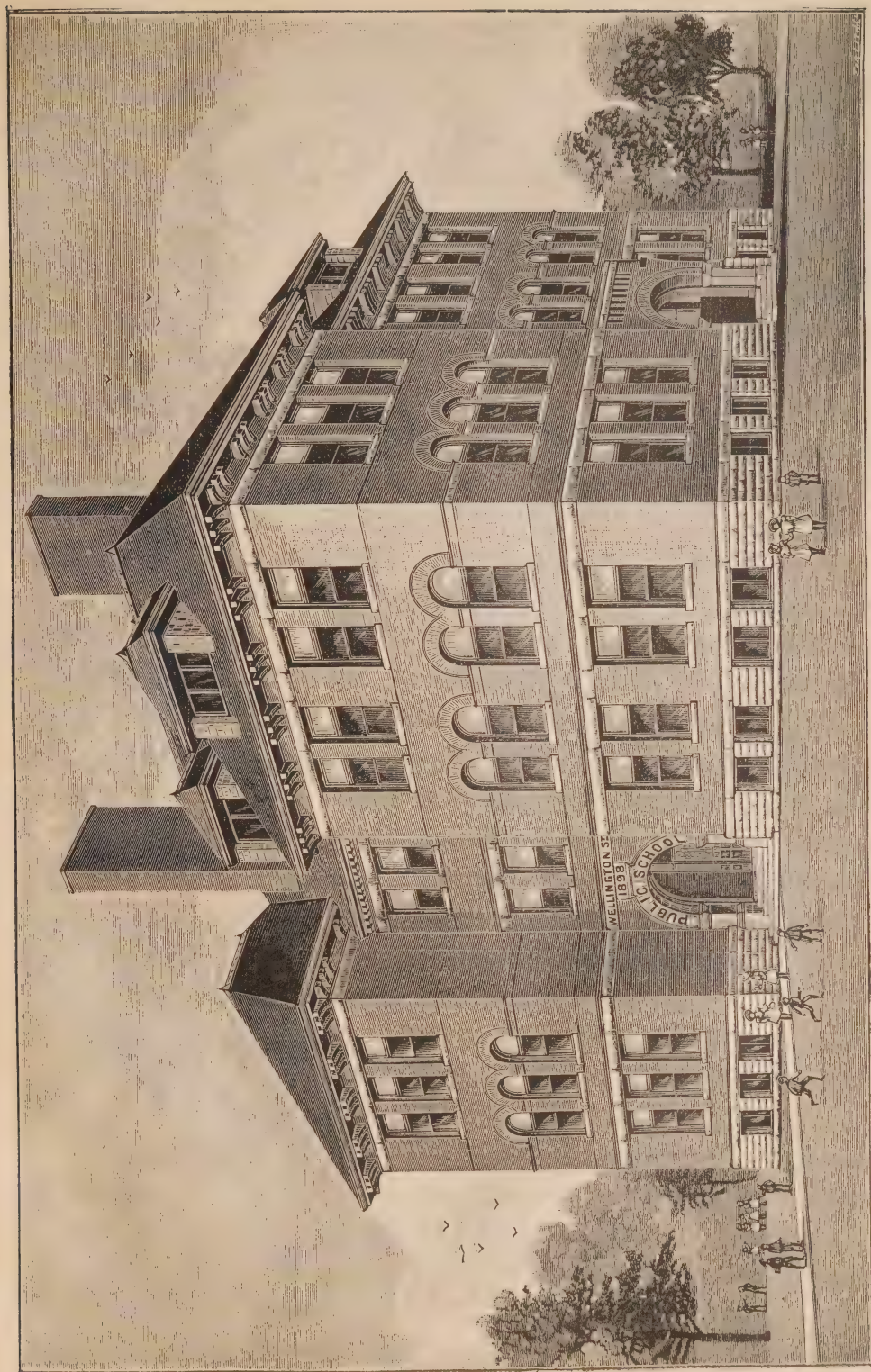
APPENDIX I.—*CERTIFICATES, ETC.*

## 1. INSPECTORS' CERTIFICATES ISSUED IN 1899.

Armstrong, William Gilnochie, M.A.; Andrews, Robert T.  
 Burchill, John.  
 Carefoot, George Andrew ; Carstairs, John Stewart, B.A.  
 Edwards, Cephas H., B.A.  
 Field, John Mordan, B.A.  
 Hinch, Nicholas Edward. B.A.,  
 Johnston, John Kenneth, M.A.  
 Kirkconnell, Thomas A., B.A.  
 Lee, Samuel Carson, B.A.  
 Marty, Aletta Elise, M.A ; Marty, Sophie, E., M.A.; Moshier, David Dingman,  
 B.A. ; Morgan, Sydney Albert, B.A., B. Pæd.  
 Odell, John William, B.A. ; Orton, Alvin.  
 Robertson, Alexander Morton, M.A.; Reynolds, Aaron Kilbourn.  
 Spence, John Campbell ; Shortell, David H., M.A.; Staples, Louis Edgar, M.A.  
 Tremear, James, B.A. ; Taylor, John Andrew, B.A.; Tasker, Lawrence Herman,  
 B.A.  
 Wagar, Gardiner Lincoln, B. A. ; Williams, H. Sophia ; Weidenhammer,  
 William B, B.A.

## 2. HIGH SCHOOL PRINCIPALS' CERTIFICATES, 1899.

Ackerman. Effie Maria, B A.  
 Burgess, Herbert H., B.A.; Brown, Lyman, B.A.  
 Clarke, Fred Hall, B.A.; Cosens, Absalom, B.A.; Cæsar, Lawson, B.A.; Cameron,  
 Aldis W., B.A.; Coutts, Rich. David, B.A.  
 Duff, James, M.A.  
 Farquharson, Robt. Andrew, B.A.; Furlong, Thomas Henry, M.A.; Field, John  
 Mordan, B.A.  
 Garratt, Mina, B.A.  
 Hardie, William, B.A.; Haviland, Hugh Johnston, B.A.; Horton, Charles W., B.A.;  
 Hogg, John L, B.A.; Howell, William B., B.A.; Hendrick, Archer Wilmot, B.A.  
 Johnston, John Kenneth, M.A.; Jones, Geo. Mallory, B.A.  
 Ivey, Thomas Joyce, M.A.  
 Liddy, William R., B.A.; Lee, Samuel Carson, B.A.; Lingwood, Fred H., B.A.  
 MacLean, Allan Edmund, B.A. ; McCaig, James, B.A. ; McVicar, Archibald, B.A. ;  
 MacPherson, Walter Ernest, B.A.; McGee, Cyril Houghton, B.A.; McKim, William  
 Andrew, B. A.; Moshier, David Dingman, B. A.; Mabee, Geo. Elliott, B. A.;  
 Morrow, John D., B.A.  
 Nelson, John, B.A.,  
 Pugsley, Edmund, B.A.  
 Robertson, Alex. Morton, M.A.  
 Stothers, Robert, B.A.; Seaton, Edward T., B.A.



PUBLIC SCHOOL, WELLINGTON STREET, ST. THOMAS.





Thompson, Peter James, B.A.; Taylor, Julian J. W., B.A.; Tasker, Lawrence Herman, B.A.

Witheril, Ebenezer Rufus, B.A.; Whyte, Robert, B.A.; Weidenhammer, William B., B.A.

### 3. HIGH SCHOOL ASSISTANTS' CERTIFICATES, 1899.

Bryan, Hugh Wallace, M.A.; Bragg, Thos. Geo., B.A.

Clarke, Harry J.; Carefoot, Geo. Andrew; Cathro, Elizabeth Don.

De Beauregard, Esther, B.A.; Dent, William Arthur; Dandy, William Percy, B.A.

Graham, William Andrew, B.A.; Galbraith, Robert, B.A.

Harding, Nina May, B.A.; Higginson, Maria Adelaide.

Ivey, Thomas Joyce, M.A.

Lavell, Cecil F., M.A.

MacKellar, Herbert Sutherland, B.A.; McQueen, James M.; McFayden, Donald, B.A.; McCutcheon, Fred. W. C., B.A.; Mowbray, William, B.A.; Marty, Sophie E., M.A.; Morgan, Harriet Emma; Mitchell, John Worth.

Neilson, James.

O'Brien, Elizabeth.

Reid, Minerva E.; Rowsome, Alice Gertrude, B.A.

Sutherland, Mary H., B.A.; Silverthorne, William Leslie, B.A.

Thompson, John Fletcher, B.A.

Van Every, John Fair, B.A.

Weir, Annie, B.A.

### 4. NUMBER OF PUBLIC SCHOOL TEACHERS' CERTIFICATES, 1899.

	Male.	Female.	Total.
Third Class, per County Model School reports .....	432	726	1 158
Second Class—			
From Ottawa Normal School .....	56	160	216
Toronto Normal School .....	36	226	262
First Class—			
From Ontario Normal College .....	43	20	63

## 5. LIST OF PROVINCIAL CERTIFICATES GRANTED BY THE EDUCATION DEPARTMENT, 1899.

Candidate's Name.	Grade.		Candidate's Name.	Grade.	
	First Class.	Second Class.		First Class.	Second Class.
Austin, Ida.....		1	Berry, Zannie.....		1
*Adams, Susie Jessie.....		1	Binus, Alice.....		1
Anderson, Ernest Albert.....		1	Bixby, Margaret Lilian.....		1
Atkinson, Ella.....		1	Blaisdell, Reginald B.....		1
Adair, Jean.....	1		Blanchard, James Elwood.....		1
Ahner, Gertrude.....		1	Blondin, Aggie Mary.....		1
Armstrong, Silas Henry.....		1	Burnett, Jennie.....		1
Atkinson, Albert Edwin.....		1	Bywater, Mary Gertrude.....		1
*Auld, Nettie.....		1	Bryant, John L.....	1	
*Austin, Oliver D.....		1	Beckett, Samuel E. J.....	1	
Abbott, Lillian Blanche.....		1	Blain, Maude E.....	1	
Alguire, Agnes Ethyle.....		1	Callon, Lilly E.....		1
Allan, Elsie.....		1	Cameron, E. Kate.....		1
Anderson, Susan.....		1	*Capling, Rosetta.....		1
*Arnott, Stephen James.....		1	Carlton, Jessie.....		1
Asseltine, Flora B.....		1	Carr, Harrison.....		1
Bishop, Charles P.....	1		Chellew, Lettie Jessie.....		1
Bannerman, May Lucile.....		1	Colborne, Marie Delphine.....		1
*Barker, Jessie Jean.....		1	*Colles, Ida St. Clare.....		1
Bethune, Dolena Isabella.....		1	Colvin, Maggie.....		1
Binnie, Laura R.....		1	Coppinger, Mamie.....		1
Black, Walter A.....		1	*Cross, Laura Louise.....		1
Bogle, Mary Graham.....		1	*Cunningham, Alice.....		1
Brett, Amy W.....		1	Cunningham, Hugh.....		1
*Brock, Maud L.....		1	Currie, Grace.....		1
Burt, Agnes.....		1	Currie, M. Florence.....		1
*Baird, Kate.....		1	Campbell, Flora May.....		1
Bunney, James William.....		1	Carter, John.....		1
Bate, Mary Lee.....		1	Coleman, Clementina.....		1
Beatty, Etta Elviea.....		1	Collison, David Leonard.....		1
*Bickle, Ada Marie.....		1	Colquhoun, Jean A.....		1
Birch, Mabel Lilian.....		1	Cooper, Eva.....		1
Burt, Florence.....		1	*Courtney, Eleanor.....		1
Breakell, Etta Ross.....		1	Creary, Archy Greer.....		1
Breckenridge, Robert Stuart.....		1	Charters, Wallace Werrett.....	1	
Brownlee, Kate Agnes.....		1	Callaway, Selena Ann.....		1
Briggs, Laura H.....		1	Campbell, Bessie F.....		1
Beckett, Agnes M.....	1		Carnaghan, Annie.....		1
Bennett, Mabel.....	1		Carroll, Marione Bertha.....		1
Bielby, George.....	1		Cassels, William Blake.....		1
Barker, George Albert.....	1		Catherwood, Robert Andrew.....		1
Bennett, John S.....	1		Chrysler, Florence Evelyn.....		1
Bradley, William M.....	1		Clark, Anna S.....		1
Burchell, John.....	1		Clarke, Helen Maud.....		1
*Balls, Martha Elena.....		1	*Cummings, Lizzie.....		1
Bates, Mary Isa.....		1	*Cutler, Elsie O.....		1
*Beattie, Maud M.....		1	Campbell, Addie Baxter.....		1
Bell, Annie.....		1	Carson, Whitfield Robert.....		1
Bell, Alice F.....		1	Casey, Mary.....		1
Birch, Florence S.....		1	Clarke, Alice Elizabeth.....		1
Brand, Maud V.....		1	Clarke, Etta.....		1
Bagnall, Minnie Jane.....		1	Coons, Laura Edith.....		1
Baker, Martelle.....		1	Craig, Emma.....	1	
Baron, Frederick.....		1	Darby, Isabella L. H.....		1
Bartley, Annie.....		1	Devereux, Nellie.....		1
*Beattie, Maggie Ellen.....		1	Dickson, Zilpha H.....		1

\*Honors.

†Medallist.

## LIST OF PROVINCIAL CERTIFICATES.

Candidate's Name.	Grade.		Candidate's Name.	Grade.	
	First Class.	Second Class.		First Class.	Second Class.
Draper, Gertrude Louise		1	Grange, Minnie		1
Dewar, Maggie		1	Green, Kathleen Maud		1
Devlin, Christine Isabel		1	Greer, Florence Mabel		1
Dougan, Harry Leslie		1	Gummer, Minnie		1
Doherty, Mabel	1		Gillesby, Joseph R	1	
Duff, Catherine Isobel	1		Glaspel, Hugh Allan	1	
Dobbie, John Albert	1		Gordon, John G	1	
Dowkes, William J	1		Galey, Florence Maude		1
Dowsley, William C	1		Gibson, Millard John		1
Dobbie, Isabella E	1		Glynn, Mabel Grace		1
Davis, Margaret		1	Gray, Lilian D		1
*Draper, Jane Edith		1	*Greer, Nan		1
Disher, Maggie A		1	Gardiner, George Hamilton		1
Davey, Lily Elizabeth Mary		1	*Gibson, Margaret Isabel		1
*Davy, Lena May		1	Graham, Wm. Edgar		1
Dewar, Lizzie Agnes		1	Hill, Etta Maude	1	
Duprau, Charles Robert		1	Hamilton, Belle		1
*Elder, Ethel Belle		1	Harrison, Mattie E		1
Elliott, Jessie		1	Hays, Agnes Dickson		1
Elliott, Eliza Goldie		1	*Heddle, Maggie		1
Elliott, Robert G	1		*Hesketh, Hattie May		1
Everest, John William		1	*Hill, Mabel		1
Eamon, Mary Edith		1	*Hobson, Ida		1
Edgar, A. Maye		1	Hollis, C. Mabel		1
Exelby, Nellie		1	Huggins, Maggie		1
Ewing, Albert Freeman, B.A.	1		Heritage, Susanna F		1
Faull, John Bennett		1	Howson, Christopher		1
*Fenton, Charles H		1	Hunter, Elizabeth Grace		1
*Frank, Margaret		1	Hutcheon, Jennie Clare		1
Fraser, Evelyn E		1	Hardie, Sarah Ann	1	
*Fraser, Mary E		1	Hiltz, William Wesley	1	
Fittal, George Edward		1	Hinch, Nicholas Edward	1	
Fleming, William Stuart		1	Holmes, Charles Williams	1	
Forrester, David	1		Halley, Louise		1
Farr, Edgar Walter		1	Hambley, Laura H		1
Ford, Mary Ellen		1	Heaslip, Louise		1
*Fair, Henry Edgerton		1	Hendry, Edith Florence		1
Fleming, Robert Dunsmore		1	Henry, Florence		1
Fleury, Thomas Joseph		1	Hill, Minnie E		1
Foley, Mrs. Ellen Jane		1	Holland, Helen		1
Foley, Minnie		1	Holt, Clara May		1
Garbutt, Frederick George	1		*Howe, Ella Maria		1
Gilmour, John		1	Hunter, Ida Maud		1
Gissing, Millicent		1	*Hutchinson, Annie Edith		1
*Gubbins, Stella A		1	Hagle, Ellen Annette		1
*Gallagher, Isabella Jane		1	Hawkins, Laura Ethel		1
Gardener, Rena Maye		1	Hayes, Fanny		1
Gibson, John Elias		1	Heanin, Sara Ann		1
Gilbert, Blanche Henrietta		1	Hickey, Mary Catherine		1
Gillespie, Annie Maud M		1	Holliston, William		1
Goff, Charles J		1	Hunter, Emma		1
Gorman, Margaret		1	Hicks, David, B. A.	1	
Goswell, Hattie Mae		1	Irvine, Robert Gordon	1	
Graham, Birdie Edith		1	Ionson, Maggie Allen	1	
Graham, Gertrude		1	Irwin, Ethel Mary		1

\*HONORS.



## LIST OF PROVINCIAL CERTIFICATES.

Candidate's Name.	Grade.		Candidate's Name.	Grade.	
	First Class.	Second Class		First Class.	Second Class
Irwin, Mabel Emma . . . . .		1	MacBryan, Ella . . . . .		1
Irwin, Sara Jemima . . . . .		1	MacGregor, Euphemia Stuart . . . . .		1
*Johnston, Margaret . . . . .		1	MacIntyre, Maggie Ann . . . . .		1
Johnston, Minnie . . . . .		1	MacKay, Althea Maude . . . . .		1
James, Fannie Elizabeth . . . . .		1	MacKellar, Annie Edith . . . . .		1
Johnson, Helen Phila . . . . .		1	*MacDonald, Jessie Campbell . . . . .		1
Jewitt Thomas John . . . . .	1		MacIntyre, Jessie A. . . . .		1
*Jamieson, Jessie Louisa . . . . .		1	McDiarmid, John H. . . . .	1	
Jenner, Lydia A . . . . .		1	*McFayden . . . . .		1
Johnston, Marjorie . . . . .	1		McArthur, Janet Ethelwyn . . . . .		1
*Kerr, William M . . . . .		1	McCornock, Margaret W. . . . .		1
Kilpatrick, Helen Marion . . . . .		1	*McHaney, Margaret Alexia . . . . .		1
Ketcheson, Harry Wilmot . . . . .		1	McLauchlin, Lizzie J . . . . .		1
Kirley, Mary Helen . . . . .		1	*McNaughton, Clara Edith . . . . .		1
Keith, Jean Elizabeth . . . . .		1	McPherson, Lizzie . . . . .		1
Kelly, Alberta . . . . .		1	McTavish, Rosa . . . . .		1
Kennedy, Margaret Emily . . . . .		1	McWilliams, Emily . . . . .		1
*Kirkwood, James . . . . .		1	*McColl, Helen Blanche . . . . .		1
Knowles, Katie R. . . . .		1	*McCutchen, John M. . . . .		1
Kennedy, Edna Louise . . . . .		1	McDermid, Anna . . . . .		1
Kidwell, Mary Grace . . . . .		1	McDermid, Jennie . . . . .		1
*Kinahan, John . . . . .		1	McDiarmid, Bella Brown . . . . .		1
Lane, Mary Emily . . . . .		1	McElroy, Thomas Verney Craig . . . . .		1
Lawrence, Sarah A . . . . .		1	McGowan, James . . . . .		1
Lean, Francis Maud . . . . .		1	McIntosh, Coleman . . . . .		1
Leppard, Charles E . . . . .		1	*McKenny, Margaret . . . . .		1
Long, Lillian . . . . .		1	McKenzie, Jessie Ellen . . . . .		1
Lougheed, Emma . . . . .		1	McKillop, Annie . . . . .		1
Lousley, Kate M . . . . .		1	McKinnon, Annie . . . . .		1
Louthwood, Mildred M . . . . .		1	McLean, Marie C. . . . .		1
*Lane, Robert Tarywell . . . . .		1	McLellan, Teresa Jennet . . . . .		1
Leddy, John . . . . .		1	McDonald, Ernest Augustus . . . . .		1
Lehmann, Albert Edward . . . . .		1	McCaudless, Florence M. . . . .		1
Longmore, Lola . . . . .		1	McColl, Marion Louise . . . . .		1
Langford, Thomas Eli . . . . .	1		McColl, Laura Adeline . . . . .		1
Logie, David M. . . . .	1		McDougall, Margaret Ann . . . . .		1
Lackner, Emma . . . . .		1	*McFayden, Stephen . . . . .		1
†Laidlaw, Beatrice Smith . . . . .		1	McGriman, Ella . . . . .		1
Langdon, Goldwin Smith . . . . .		1	*McIsaac, Margaret . . . . .		1
Leavens, Hiram Kenyon . . . . .		1	McLachlan, Daniel Alexander . . . . .		1
Lee, Carrie Jane . . . . .		1	McMurphy, Peter J. . . . .		1
Lewis, Lizzie . . . . .		1	McNab, Maggie C . . . . .		1
Lewis, Frederic Birthal . . . . .		1	McQueen, Sadie Catharine . . . . .		1
*Little, Alice A . . . . .		1	McConnell, R. A. Allan . . . . .		1
Legate, Mary Fletcher . . . . .		1	McDermott, Mary Amelia . . . . .		1
Livingstone, Jennie . . . . .		1	McDonald, Jessie Elizabeth . . . . .		1
Loucks, Minnie A . . . . .		1	McDonald, Kate . . . . .		1
MacFarlane, Maud . . . . .		1	McEwen, Mary Eliza . . . . .		1
Mackey, Mary C . . . . .		1	McFadden, Isabel . . . . .		1
MacLaren, Maggie M . . . . .		1	McGregor, Elizabeth . . . . .		1
Macalpine, William W. . . . .		1	McGuire, Mary Alice . . . . .		1
Macartney, William Craven . . . . .		1	McKanna, Maude . . . . .		1
MacKay, Dolena . . . . .		1	*McKay, Fannie Christina . . . . .		1
MacDonald, Neil S . . . . .	1		McKennie, Minnie . . . . .		1
Macdonald, Hugh . . . . .		1	McNaughton, Christie Anne . . . . .		1

\*Honors.

†Medallist.

## LIST OF PROVINCIAL CERTIFICATES.

Candidate's Name.	Grade.		Candidate's Name.	Grade.	
	First Class.	Second Class.		First Class.	Second Class.
Metcalf, Ethel Mary		1	*Plummer, Leila Theodosia		1
Millar, Katie		1	Porter, Maude E.		1
*Mitchell, Adah Frances		1	Prendergast, Annie		1
Mitchell, Lizzie		1	Patterson, Ellen May		1
Morrison, Georgia A.		1	Penton, Maria Field		1
Morrison, Minnie		1	*Perry, Walter Byron		1
*Morton, Louise		1	Platt, Edward Orren	1	
Mullins, Mary Helen		1	Peake, Maude M.		1
Munro, Annie		1	Penno, Emma		1
Munro, Mary Perry		1	Powley, Ada		1
*Murdie, Isabella		1	Parkinson, Isabella		1
Mains, Minnie		1	Patton, Rose		1
Mark, Emma Mariabella		1	*Pettigrew, Lillian May		1
Middleton, Joseph Edward		1	Reed, Thomas Emerson, B.A.	1	
Millar, Laura Sisk		1	*Rix, Mary Jane		1
Mills, Agnes Withrow		1	*Roberts, Ethel Belle		1
Milne, Linda		1	Ross, Mary Euphemia		1
Moffat, Frank Beamer		1	Rendell, Abigail Louise		1
Moran, John		1	Rooney, Lilian Theresa		1
Morrison, Kate C.		1	Rosbrook, Susan Jane		1
Marshall, John Wells	1		Rowe, Helena		1
Menger, William O.	1		Rowe, Mary Agnes		1
Morrison, A. Selkirk	1		Robertson, Jessie Morse	1	
Morrison, Minnie L.	1		Rason, May		1
Meehan, Margaret		1	Reaman, Dessa		1
Marlton, Elma		1	*Robb, Mary		1
Meen, Kate Louise		1	Rous, Helen A.		1
Moffat, Maude		1	Ratz, Edward E.		1
*Morris, Bertha		1	Richardson, Sarah		1
Munn, Bessie		1	Robinson, Arthur William		1
Major, Jennie Catharine		1	Rogers, Arthur Howard		1
Mills, Annie Rebecca		1	Rutley, Altha Ann		1
Moore, Minnie		1	*Ryan, Annie		1
*Moore, George Albert		1	Rogers, William Henry	1	
Neilly, Lila		1	Shaw, Louise	1	
Newton, Annie E.		1	Scanlon, Josie M.		1
Nokes, Maude		1	Scott, Birdie Esther		1
Neilson, Stella		1	Sheppard, Mossie B.		1
Nicholls, Katie		1	Simpson, Robert		1
Nichols, Emma A.		1	Sissons, Maggie		1
Nicol, Margaret		1	Small, Annie May		1
*O'Connor, Agnes Patricia		1	Spence, Robert M.		1
O'Leary, Mary		1	*Steiner, Florence Bertha		1
O'Neill, Joseph		1	*Steward, Ida		1
O'Connor, Kathleen W.	1		Stovel, Grace		1
O'Hara, Kate Mary		1	Sutherland, Annie		1
O'Toole, Rose M.		1	Saunders, Ida		1
Orr, Mabel Grace		1	Sayers, Thomas Albert		1
Ogilvie, Elsie Sutherland		1	Sharman, Sarah Mabel		1
Oke, Herbert James		1	Smitheram, Maggie		1
Packham, Clara		1	Snider, Emily May		1
Pardoe, Ellen Edith		1	*Snider, Frederick Irvine		1
Parker, Florence Alberta		1	Sprung, Christina A.		1
Pattullo, James A.		1	Stalker, Margaret		1
Perry, Margaret Frances		1	Stewart, Effie Jane		1

\*Honors.

## LIST OF PROVINCIAL CERTIFICATES.

Candidate's Name.	Grade.		Candidate's Name.	Grade.	
	First Class.	Second Class.		First Class.	Second Class.
Scarr, Tena .....	1	...	Vandervoort, Frances M .....	1	
Skelton, Margaret .....	1	...	Vankleek, Martha Watson .....	1	
Smith, George Frederick .....	1	...	*Wadsworth, Fanny Edith .....	1	
Staples, Louis Edgar .....	1	...	Walden, Minnie .....	1	
Stewart, William Henry .....	1	...	Wallace, Ella May .....	1	
Shortell, David H .....	1	...	*Walton, Irene Maud .....	1	
Scrutton, Emily .....		1	Walton, Hannah Maria .....	1	
Sharpe, Lucas .....		1	Webster, Lois .....	1	
Shaw, Lizzie Galloway .....		1	*Wellinger, Ethel Winnifred .....	1	
Sheppard, Annie M .....		1	Whillans, Elizabeth .....	1	
*Smith, Maggie .....		1	*Whittingham, Bertha .....		1
Smith, Mary Jane .....		1	Wilcox, Mabel Mildred .....		1
*Spence, Mrs. Carrie Reid .....		1	*Wilson, Rachael E. A .....		1
Stapleton, Agnes .....		1	Workman, Bessie .....		1
Stewart, James .....		1	Wallace, Mary Ettie .....		1
Stonehouse, Edith J. ....		1	Wardrobe, Harriet Maud .....		1
Sutherland, Minnie Corlis .....		1	*Waters, Anna Marie .....		1
Swick, Rachael Amelia .....		1	*Weir, David .....		1
Seabrook, Hat ie .....		1	Wilkie, Amelia Barbara .....		1
Shaver, Catharine Angeline .....		1	*Williams, Mabel Anna .....		1
Simpson, Eva May .....		1	Willoughby, Bertha Adealia .....		1
Snedden, Maggie Christina .....		1	Woods, Phoebe .....		1
Southon, William .....		1	Wright, Lillian Elizabeth .....		1
Stevens, Florence .....		1	Watt, Robert Emerson .....	1	...
Stevenson, Robert Bruce .....		1	White, Robena .....	1	...
Sullivan, Kate .....		1	Wyatt, Edward .....	1	...
Tanton, Francis .....	1	...	Walker, Arthur J .....	1	...
Tait, Maggie .....		1	Walker, Alice May .....		1
*Tennant, Annie Isabel .....		1	Ward, Frederick M. B. ....		1
Thompson, Gertrude .....		1	Ward, Lelia M. ....		1
Thomson, Mary .....		1	Washington, Stella .....		1
Thorburn, William .....		1	Waterman, Ethel Cordella .....		1
Treadgold, Elizabeth Jane .....		1	*Waugh, Annie Findlay .....		1
*Trebel, Mabel .....		1	Weir, Gertrude Catherine .....		1
*Tweddle, Annie Julia .....		1	*Wellwood, Lizzie .....		1
Taylor, Isabelle .....		1	Wesley, Carrie .....		1
Thompson, Ethel .....		1	Wesley, Kathleen .....		1
Teskey, Lily .....	1	...	*Wessels, Ernest Albert .....		1
Thompson, Annie .....		1	Williams, Amy .....		1
Thomson, Ada M. ....		1	Williamson, Alma May .....		1
*Thomson, Olive Mabel .....		1	Winnett, Eva A .....		1
Thornton, Charlotte Lucille .....		1	*Ward, Bessie .....		1
Trenouth, William J .....		1	Warren, Bertha Melissa .....		1
Tweedie, Agnes .....		1	Watt, Nerissa Ella .....		1
†*Taylor, Flora Margaret .....		1	*Wingard, Mabel .....		1
*Tebutt, Charles Albert .....		1	*Young, Helenora Anna .....		1
Thompson, Lettie May .....		1	Yeo, Charles Timothy .....		1
Thompson, Bessie .....		1	Young, Annie .....		1
Toohy, William Antonelli .....		1			

\*Honors.

†Medallist.



## 6. KINDERGARTEN CERTIFICATES, 1899.

## DIRECTORS.

\*Aylesworth, Victoria  
 Bastedo, Marion.  
 \*Carrie, Rachel.  
 Carroll, Elma.  
 Holden, Letitia.  
 \*Keys, Ethel G. M.  
 Leighton, Ida.  
 Leighton, Alverda J.  
 Linden, Janet.  
 Lucas, Mary.  
 McIntosh, Lillian J.

Mills, E. Gertrude.  
 Moore, Etta.  
 \*Perry, Mary.  
 \*Rodger, Frances.  
 \*Rorke, Sadie.  
 Smith, Lottie.  
 \*Smith, Maude.  
 Thompson, Beatrice.  
 Wilson, Persis.  
 \*Winter, Myrtle.

## ASSISTANTS.

Ashton, Blanche.  
 Abbott, Ida A.  
 Acheson, Annie L. M.  
 Bignell, Florence.  
 Baxter, Lou.  
 Bradshaw, Olive.  
 \*Courtney, Edith A.  
 Casson, Margaret Alice.  
 Cronyn, Muriel.  
 Cassidy, Dolares.  
 Coates, Emma L.  
 Copeland, Annie.  
 \*Cozzens, C. Helene.  
 Davidson, Annie.  
 Dalby, Ethel M.  
 Davis, Mabel.  
 Davids, Hilda I.  
 Evans, Ella A.  
 Fisher, Nora.  
 Fuller, Alice Maude.  
 Greene, Evelyn M.  
 Grant, Alice.  
 \*Hotson, A. Maude.  
 Harding, Mabel.  
 \*Jamieson, Isabel O.  
 \*Jones, Edith A.  
 Love, Mabel.  
 Lanskail, Agnes M.  
 Laidlaw, Maude.  
 McConnell, Lulu E.  
 McAuley, Adelaide.

Mackie, Emma L.  
 Martin, May E.  
 Manly, Laura E. M.  
 Mansell, Florence A.  
 Murray, Nettie Craig.  
 Nudel, Louisa.  
 Northcott, Edith.  
 Purser, Eliza Matilda.  
 Perkins, Ethel.  
 Philips, Florence.  
 Randall, Minnie.  
 Ready, Evelyn.  
 \*Rattray, Margie.  
 Reikie, Helen.  
 Robinson, Violet.  
 Robson, Ella.  
 Sherwood, Mrs. Charlotte A.  
 Sullivan, Mary Frances.  
 Small, Alma.  
 Stagg, Grace E.  
 \*Thompson, Annie L.  
 Threlkeld, Fannie D.  
 \*Wilcox, Caroline.  
 Whitton, Jennie.  
 Woods, Lexie Hodge.  
 Whiteside, Katie E.  
 Wells, Mabel.  
 Wenborne, Ida E.  
 Wilson, Edith.  
 Wilson, Irene.

## 7. DOMESTIC SCIENCE CERTIFICATES.

No examination held in 1899.

\*Honors.

## 8. TEMPORARY AND EXTENDED CERTIFICATES ISSUED DURING 1899.

Counties.	Temporary certificates authorized by the Minister of Education during the year.	Third Class certificates extended by the Minister of Education during the year.
Essex .....	10	6
Frontenac .....	4	..
Kent .....	..	1
Lanark .....	1	1
Leeds .....	..	1
Norfolk .....	2	..
Ontario .....	..	2
Oxford .....	..	1
Peel .....	1	..
Prescott and Russell .....	1	..
Prince Edward .....	..	1
Renfrew .....	3	4
Stormont .....	..	2
Welland .....	..	1
District of Parry Sound and Nipissing .....	11	2
Eastern Ontario, R.C.S.S. ....	20	4
Western Ontario, R.C.S.S. ....	5	..
Total, 1899 .....	58	26
Total, 1898 .....	47	22
Increase .....	9	4

The periods of service were : three years and under, 6 ; seven years and over, 20.

## APPENDIX K—INDUSTRIAL SCHOOLS, 1899.

*Hon. R. Harcourt, M. A., Q. C., Minister of Education, Toronto*

DEAR SIR,—I send the following report regarding the Industrial Schools—the Victoria Industrial School for Boys at Mimico, and the Alexandra Industrial School for Girls at Scarboro :—

1. *Victoria Industrial School.*

The total attendance for the year was 47,529 days.

The total number registered for the year was 186.

69 boys were in attendance during the entire year.

55 were sent out during the year, and 62 came in.

The attendance at present is 132 boys.

The boys are employed as follows :—

Farm .....	27
Carpenter shop .....	17
Tailor shop .....	19
Shoe shop .....	17
Laundry .....	8
Kitchen .....	8
Dining-room .....	15
Knitting-room .....	6
Printing .....	15
Engine-room .....	7
Conservatories .....	9
Cottages .....	22
Bake-room .....	3
Office ....	2
School all day .....	11

The school is most efficiently managed by Mr. Ferrier, and he has an able and faithful staff of assistants.

*2. Alexandra Industrial School.*

The total attendance for the year was 9,177 days.

The total number registered was 36.

10 were in attendance during the entire year.

13 were sent out during the year and 13 came in.

The attendance at present is 25 girls.

The girls are taught to knit and sew, and to work in the kitchen, the laundry, and to do general household work.

The institution is beautifully situated and is efficiently managed.

Yours truly

JAMES L. HUGHES

TORONTO, December, 1899.



## APPENDIX L.—DEPARTMENTAL LIBRARY, 1899.

## REPORT OF THE LIBRARIAN OF THE EDUCATION DEPARTMENT.

To the Honorable Richard Harcourt, M. A., Q. C. Minister of Education for Ontario.

The following is my report of the operation of the Library of this Department for the year 1899.

The ordinary business of the Library of the Department consists—

1. In the giving out of Books on Education, and other subjects, which form the subjects of instruction in the Normal and Model Schools, directly connected with the Department here in Toronto. These books are given out to students of the Normal School and to teachers and other persons, in terms of the official regulations relating to the library. A record of each book given out is made in a Register, in which the parties borrowing books sign their names, by way of a receipt and as a guarantee that they will return the books in a given time.

2. The selection, in special cases, and the purchase of books is under the authority of the Minister. Each book is stamped as it is received, and a record of it made in an entry book.

3. The binding of books, periodicals and leading newspapers.

4. Preparation of catalogues, and the noting in them of new purchase of books.

5. Miscellaneous matters, including the examination and certifying of bills and accounts.

*1. Record of Books given out during 1892-1899.*

The following table shows a falling off in the number of books given out in 1898, and 1899. This was chiefly owing to the removal of the School of Pedagogy to the Normal College at Hamilton.

	1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.
Given out in month of January..	159	334	375	354	573	699	608	484
“ “ February..	431	764	609	804	1,040	1,370	928	868
“ “ March....	617	944	585	1,034	1,270	1,702	1,393	1,159
“ “ April.....	467	897	991	627	1,021	1,111	882	848
“ “ May.....	546	814	694	633	843	923	969	895
“ “ June.....	332	461	332	354	400	609	677	518
“ “ July.....	69	54	47	223	32	254	265	256
“ “ August...	100	97	48	100	16	184	233	329
“ “ September	526	370	344	415	295	514	410	489
“ “ October ..	1,263	1,148	1,010	1,130	1,170	1,200	1,043	1,018
“ “ November	1,136	1,004	1,039	1,063	1,268	1,099	1,024	1,034
“ “ December	693	559	540	597	752	704	464	549
	6,339	7,446	6,614	7,334	8,680	10,369	8,896	8,447

*2. Number of Books purchased in 1892-1899.*

The number of books purchased in 1892 was .....	388
“ “ “ 1893 “ .....	290
“ “ “ 1894 “ .....	257
“ “ “ 1895 “ .....	430
“ “ “ 1896 “ .....	495
“ “ “ 1897 “ .....	476
“ “ “ 1898 “ .....	533
“ “ “ 1899 “ .....	315

### 3. Number of Books Donated.

The number of books—chiefly Text Books sent as donation or gift to the Library in 1898 was 49 ; in 1899, 74.

4. Number of Magazines and other periodicals received at the Library in 1898 was 182 ; in 1899, 179.

### 4.—Books, Magazines, etc., bound during the years 1892-1899.

1892.	1893.	1894.	1895.	1896.	1897.	1898.	1899.
79	109	136	141	98	99	90	94

### 5.—Official Report on Education in Different Countries received during 1896, 1897, 1898 and 1899.

	1896.	1897.	1898.	1899.
From Great Britain and Ireland.....	28	36	16	28
Various Provinces of the Dominion.....	29	64	61	53
Australasia:				
Victoria.....	2	1		1
New South Wales.....		1	1	1
South Australia.....				1
Western Australia.....	1	1	4	1
Queensland.....	1	1	1	
Tasmania.....	1	2	1	1
New Zealand.....	13	2	1	14
Other British possessions:				
Mauritius.....	1			
Cape of Good Hope.....	1	1	1	1
Natal.....	1			
Jamaica.....	2	2	1	1
Barbados.....		1		
British Guiana.....	1	1	1	1
Various States of the American Union.....	36	47	53	81
Miscellaneous:				
Buenos Ayres.....	10		10	12
Montevideo.....	11		6	8
Costa Rica.....	5	1	2	3
France.....	3	8	1	21
Germany.....			1	5
Portugal.....				1
Switzerland.....		3		2
Japan.....	1	1	1	2
Hawaii.....			1	
Argentine Republic.....		13	2	
Venezuela.....	1			
Uruguay.....		13		
Totals.....	148	199	165	238

### 6.—Various Catalogues—Printed and Unprinted.

1. *Education*.—The catalogue of Books relating to various subjects of Education and kindred subjects for the use of Students, Teachers and others has been reprinted. The present catalogue is a reprint, with large additions, of a catalogue of a more contracted character, printed in 1886.

2. *History of Canada*.—A supplement of the catalogue of our very extensive variety of books on the Dominion of Canada and its various Provinces, printed in 1890, is now being prepared for issue this year. The various historical societies avail themselves of this collection of historical books—the members of which express themselves greatly pleased with the extent and variety of books in the collection.

3. *Miscellaneous*.—As stated in my report of 1896, we have Catalogues in manuscript of (1) books on the classics and kindred subjects, (2) of works of art, and (3) of a number of rare text books, dictionaries, etc., presented to the library by the Venerable Dr. Scadding, ex-master of Upper Canada College.

4. I would again recommend that the revised Catalogue of Books on the various Provinces of the Dominion be reprinted. At present, reference has to be made to the old Catalogue of 1890—since then we have very nearly doubled the number of Books on this most interesting subject—many of them, and especially of the new collection, of rare value. Of this older collection not less than fifty-four volumes were printed before the beginning of the nineteenth century. The Canadian part of the Library is rich in poetry written by persons in the Dominion of Canada.

### 7.—Various Kinds of Books in the Departmental Library.

The following is a general statement of the kind of Books in the Departmental Library, viz.:

Canadian History.	Law Reports and Treatises.	Bound Periodicals and News-
British History.	Canadian Parliamentary Re-	papers.
American Colonial History.	ports and Papers.	French Books (various).
United States' History.	Colleges and Various Super-	Works on Geography, includ-
Greek and Roman History.	ior Schools in Ontario.	ing Atlases.
The Fine Arts, and Books on	Teaching in Theory and	Natural Science.
Design.	Practice.	Pedagogy and Science of Edu-
National Reports on Educa-	Reference Books (various).	cation.
tion.		Miscellaneous Books.

### 8.—Historiography.

During this year I have completed the Sixth Volume of the Documentary History of Education in Upper Canada, bringing the record down to the end of the year 1846.

The educational incidents of this year (1846,) are especially interesting, from the fact that they relate to the laying of "educational foundations" in Upper Canada.

As this Documentary History is not as available to the general public, as is this Report of the Minister of Education, it may be interesting to quote from the "Prefatory Remarks of the Editor" of the Sixth Volume of the Documentary History the following statement, showing what were the extent and character of the "educational foundations" laid in 1846 and here referred to:—

"This Volume deals chiefly with the subject of 'first things' in connection with our System of Public Education and of 'laying foundations' . . . .

"The 'first things' referred to, as part of these 'foundations' of 1846, were the following:—

"1. The publication of an extended Report on a Projected System of Popular Education for Upper Canada.



- "2. The preparation and passing of a Common School Bill, founded upon that Report, and the first School Bill prepared under the auspices of Doctor Ryerson.
- "3. The appointment of a Board of Education for Upper Canada.
- "4. The selection of a Series of School Text Books, which remained in use in the Common Schools for twenty-two years, and until 1868.
- "5. The organization of the Education Department under the School Act of 1846.
- "6. The Establishment of a Provincial Normal School—(formally opened in 1847).
- "7. The substitution of District School Superintendents for Local Township Superintendents.
- "8. General Forms and Regulations for the Government of Common Schools, including provision for giving Religious Instruction in these Schools, under the School Act of 1846."

As to those who may see copies of this Documentary History, the following reference to the labor of preparing that work may be of interest :

"A word, in conclusion, as to the work involved in the preparation of this and kindred Volumes:—

"This Sixth Volume, as may be seen from the foregoing rapid Survey of its contents, embraces a great variety of most interesting educational matters. Its preparation—as did those of the preceding Volumes—involves months of labour, and a good deal of correspondence, in collecting, from all sources of information available, such papers and documents, relating to Education in Upper Canada, as are of general and public interest,—abridging unnecessary details, as well as condensing, or omitting, others. It also implies the classifying and arranging, chronologically, the topics treated, and putting them into Chapters—and these Chapters include, at least, one thousand pages of "printer's copy." It has also to be so edited, that obvious errors, in names and dates, do not appear. Corrections have also to be constantly made in Grammar and Orthography,—supplying omissions, expanding elliptical expressions, making clear obscure and uncertain statements and dealing specifically with conflicting alleged 'matters of fact.' Fortunately I have had a personal knowledge of most of the matters treated of in these Volumes, and that greatly lightens the labor of the Editor.

"It is gratifying to find, that, although the labor of compiling these Volumes is arduous, yet the Work itself is highly appreciated by the Educational Representatives of the United States. In Chapter IV on 'Education in Canada,' in the advance sheets of the forthcoming Report of the United States Commissioner of Education, kindly sent to me as I had finished this sixth Volume, the Honorable Doctor Harris, Commissioner, says:—

"The history of the organized System of Public Education in Ontario may be said to date from the passage of the Upper Canada School Law of 1843. The practical establishment of the System was the work of Doctor Egerton Ryerson, who was appointed Chief Superintendent of Education soon after the passage of that Law. The services, which he rendered,—his catholic spirit, his administrative force, his untiring devotion to the cause, have long since commanded universal acknowledgment.

"The Province has been equally fortunate in the Historian of the System, Doctor John George Hodgins, who was associated with Doctor Ryerson in the Education Office from 1844, and has maintained official relations with it to the present moment.

"Doctor Hodgins . . . has enjoyed ample facilities for the work, with which he now crowns the service of more than half a century, namely the 'Documentary History of Education in Upper Canada,' from the passing of the Canada Constitutional Act of 1791, to a very recent date. This work, of which Five Volumes are completed . . . is invaluable to all students of its social and political development, and equally valuable to all students of Educational History :

"It is particularly interesting to American readers to trace, in this record, the influence, from our own (original) Colonies and States, upon the Educational policies of the Province.

"But, if Ontario owes much to the example of the United States, it offers us most instructive lessons, with respect to many questions of educational policy and organization."

I cannot speak too highly of the valuable services of Miss Crooks, who so admirably discharges the duties of Assistant Librarian. Her accurate knowledge of Books and current Literature, and her methodical exactness in matters of detail have relieved me of a good deal of responsibility,—especially as I have to give a considerable amount of time in order to obtain the necessary accurate information in regard to papers and documents for the Documentary History, on which I am engaged.

In all of these matters, Mr. Evans has proved himself to be a most excellent assistant in the Library.

At present I am preparing the Seventh Volume of the Documentary History. It promises to be one of the most complete and interesting Volumes of the Series, as I have been able to gather in very ample materials. It will detail at length the efforts made to settle the University Question by the Honorable (afterwards Sir) John A. Macdonald. It will also give particulars of the cause of failure for the fourth time, (1843-1847) to settle this then troublesome question.

J. GEORGE HODGINS,

Librarian and Historiographer to the Education Department for Ontario.

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APPENDIX M.—*TECHNICAL EDUCATION—PUBLIC AND FREE LIBRARIES, ART SCHOOLS, LITERARY AND SCIENTIFIC INSTITUTIONS, &c.*

REPORT OF S. P. MAY, ESQ., M.D., C.L.H., SUPERINTENDENT OF PUBLIC LIBRARIES, ART SCHOOLS, ETC.

1. *Public Libraries.*

SIR,—I have the honor to submit herewith my report on the Public and Free Libraries, Art Schools, and Scientific Institutions receiving a share of the Government Grant, in the Province of Ontario, for the year ending 30th of April, 1899.

At the present time there are 421 Public and Free Libraries, Art Schools, Scientific Institutions, etc. receiving Government aid, in operation in this Province.

For the year ending 30th April, 1899, the following institutions reported :

Public Libraries .....	247
Free Libraries .....	117
Art Schools, etc.....	7
Scientific Institutions, etc.....	8
New Libraries and others which did not report before December, 1899 .....	42
<b>Total .....</b>	<b>421</b>

The following Public Libraries did not report: Ailsa Craig, Athens, Bothwell, Brougham, Chalk River, Coboconk, Courtright, Delaware, Emsdale, Haileybury, Hastings, Highgate, Hillsburg, Horning's Mills, Kimberley, Linwood, Lion's Head, Logan (Mitchell P. O.), Lucille, Mayflower (Warton P. O.), Mono College (Orangeville P.O.), Morewood, New Sarum, Richard's Landing, Ripley, St. Vincent (Oxmead P. O.), Sudbury, Trenton, Tweed, Wabigoon, Walter's Falls. :

The following Public Libraries have been incorporated since the 30th of April, 1899: Ancaster, Binbrook, Bishop's Mills, Dawson, Hawkesville, Kemble, Marksville, Metcalfe, Vankleekhill, Wellesley.

I inspected the following Public and Free Libraries, Art Schools, Literary and Scientific Institutions, etc., during the year: Atwood, Beamsville, Belleville, Bracondale, Bridgeburg, Caledonia, Cargill, Chesley, Deseronto, Dundas, Fort Erie, Garden Island Grantham (St. Catharines P. O.), Grimsby, Hamilton Free Library, Hamilton Art School, Hanover, Harrington, Kingston Art School, Kingston Free Library, Listowel, Lynden, London Art School, London Free Library, Markham, Merritton, Milverton, Napanee, Niagara Falls, Oakville, Odessa, Ottawa Literary and Scientific Society, Ottawa French Canadian Institute, Ottawa Field Naturalist Club, Ottawa St. Patrick's Association, Palmerston, Paisley, Pakenham, Paris, Port Hope, Princeton, Scarboro, Stratford, St. Catharines, St. Mary's, St. George, St. Thomas Art School, St. Thomas Public Library, Trenton, Thorold, Unionville, Victoria (Caledonia P. O.), Walkerton, York.





## PUBLIC LIBRARIES.

Counties and Districts.	Cities, Towns and Villages.	Counties and Districts.	Cities, Towns and Villages.
Grey .....	Durham.	Kent .....	Ridgetown.
" .....	Dundalk.	" .....	Romney.
" .....	Flesherton.	" .....	Thamesville.
" .....	Holland Centre.	" .....	Wallaceburg.
" .....	Kemble.	" .....	Wheatley.
" .....	Kimberley.	Lambton .....	Arkona.
" .....	Hanover.	" .....	Aberarder.
" .....	Markdale.	" .....	Alvinston.
" .....	Meaford.	" .....	Copleston.
" .....	Owen Sound.	" .....	Courtwright.
" .....	Shallow Lake.	" .....	Forest.
" .....	St. Vincent.	" .....	Mayflower, Watford P.O.
" .....	Thornbury.	" .....	Oil Springs.
" .....	Walter's Falls.	" .....	Point Edward.
Haliburton .....	Minden.	" .....	Thedford.
Haldimand .....	Caledonia.	" .....	Watford.
" .....	Cayuga.	" .....	Wyoming.
" .....	Cheapside.	Lanark .....	Allan's Mills.
" .....	Dufferin.	" .....	Almonte.
" .....	Dunnville.	" .....	Carleton Place.
" .....	Hagersville.	" .....	Dalhousie.
" .....	Jarvis.	" .....	Lanark.
" .....	Nanticoke.	" .....	Pakenham.
" .....	Victoria.	" .....	Perth.
" .....	York.	" .....	Smith's Falls.
Halton .....	Acton.	Leeds .....	Athens.
" .....	Burlington.	" .....	Brockville.
" .....	Georgetown.	" .....	Gananoque.
" .....	Milton.	" .....	Mallorytown.
" .....	Oakville.	Lennox .....	Napanee.
Hastings .....	Belleville.	Lincoln .....	Beamsville.
" .....	Deseronto.	" .....	Grantham.
" .....	Trenton.	" .....	Merriton.
" .....	Tweed.	" .....	Grimsbv.
Huron .....	Auburn.	" .....	Niagara.
" .....	Blyth.	" .....	St. Catharines.
" .....	Brussels.	Manitoulin I. ....	Gore Bay.
" .....	Clinton.	" .....	Little Current.
" .....	Dungannon.	Middlesex .....	Ailsa Craig.
" .....	Ethel.	" .....	Belmont.
" .....	Exeter.	" .....	Coldstream.
" .....	Fordwich.	" .....	Delaware.
" .....	Goderich.	" .....	Dorchester.
" .....	Gorrie.	" .....	Glencoe.
" .....	Hensall.	" .....	London.
" .....	Seaforth.	" .....	Lucan.
" .....	St. Helen's.	" .....	Melbourne.
" .....	Wingham.	" .....	Parkhill.
" .....	Wroxeter.	" .....	Strathroy.
Kent .....	Blenheim.	" .....	Wardsville.
" .....	Bothwell.	Muskoka .....	Bracebridge.
" .....	Chatham.	" .....	Burk's Falls.
" .....	Dresden.	" .....	Gravenhurst.
" .....	Duart.	" .....	Huntsville.
" .....	Highgate.	" .....	Port Carling.
" .....	Tilbury.	Nipissing .....	Copper Cliff.
" .....	Tilbury, E.	" .....	Haileybury.

## PUBLIC LIBRARIES.

Counties and Districts.	Cities, Towns and Villages.	Counties and Districts.	Cities, Towns and Villages.
Nipissing .....	North Bay.	Perth .....	Listowel.
" .....	Thornloe.	" .....	Logan.
Norfolk .....	Delhi.	" .....	Milverton.
" .....	Port Rowan.	" .....	Mitchell.
" .....	Simcoe.	" .....	Monkton.
" .....	Waterford.	" .....	Shakespeare.
Northumberland .....	Brighton.	" .....	St. Mary's.
" .....	Campbellford.	" .....	Stratford.
" .....	Cobourg.	" .....	Lakefield.
" .....	Cold Springs.	Peterborough .....	Norwood.
" .....	Colborne.	" .....	Peterborough.
" .....	Fenella.	Prescott .....	Vankleekhill.
" .....	Gore's Landing.	Prince Edward .....	Bloomfield.
" .....	Hastings.	" .....	Picton.
" .....	Warkworth.	Rainy River .....	Dryden.
Ontario .....	Beaverton.	" .....	Fort Francis.
" .....	Brooklin.	" .....	Wabigoon.
" .....	Brougham.	Renfrew .....	Admaston.
" .....	Cannington.	" .....	Arnprior.
" .....	Claremont.	" .....	Burnstown.
" .....	Oshawa.	" .....	Calabogie.
" .....	Pickering.	" .....	Chalk River.
" .....	Port Perry.	" .....	Douglas.
" .....	Sunderland.	" .....	Pembroke.
" .....	Uxbridge.	" .....	Renfrew.
" .....	Whitby.	" .....	White Lake.
" .....	Zephyr.	Russell .....	Russell.
Oxford .....	Embro.	" .....	Vars.
" .....	Harrington.	Stormont .....	Cornwall.
" .....	Ingersoll.	Simcoe .....	Alliston.
" .....	Kintore.	" .....	Angus.
" .....	Plattsville.	" .....	Barrie.
" .....	Norwich.	" .....	Beeton.
" .....	Otterville.	" .....	Bradford.
" .....	Princeton.	" .....	Coldwater.
" .....	Tavistock.	" .....	Collingwood.
" .....	Tilsonburg.	" .....	Cookstown.
" .....	Thamesford.	" .....	Creemore.
" .....	Woodstock.	" .....	Elmvale.
Parry Sound .....	Emsdale.	" .....	Midland.
" .....	Kearney.	" .....	Orillia.
" .....	Parry Sound.	" .....	Penetanguishene.
" .....	South River.	" .....	Stayner.
" .....	Sundridge.	" .....	Tottenham.
" .....	Trout Creek.	Victoria .....	Bobcaygeon.
Peel .....	Alton.	" .....	Cambray.
" .....	Belfountain.	" .....	Coboconk.
" .....	Bolton.	" .....	Fenelon Falls.
" .....	Brampton.	" .....	Kinmount.
" .....	Caledon.	" .....	Kirkfield.
" .....	Cheltenham.	" .....	Little Britain.
" .....	Claude.	" .....	Lindsay.
" .....	Forks of the Credit.	" .....	Manilla.
" .....	Inglewood.	" .....	Oakwood.
" .....	Mono Road.	" .....	Omeme.
" .....	Mono Mills.	" .....	Woodville.
" .....	Port Credit.	Waterloo .....	Ayr.
" .....	Streetsville.	" .....	Baden.
Perth .....	Atwood.	" .....	Berlin.



## PUBLIC LIBRARIES.

Counties and Districts.	Cities, Towns and Villages.	Counties and Districts.	Cities, Towns and Villages.
Waterloo.....	Elmira.	Wellington.....	Hillsburg.
".....	Floradale.	".....	Morrison.
".....	Galt.	".....	Mount Forest.
".....	Hawkesville.	".....	Palmerston.
".....	Hespeler.	".....	Rockwood.
".....	Linwood.	Wentworth.....	Ancaster.
".....	New Hamburg.	".....	Binbrook.
".....	Preston.	".....	Dundas.
".....	Waterloo.	".....	Hamilton.
".....	Wellesley.	".....	Lynden.
Welland.....	Bridgeburg.	".....	Waterdown.
".....	Fonthill.	York.....	Aurora.
".....	Fort Erie.	".....	Bracondale.
".....	Niagara Falls.	".....	Don.
".....	Niagara Falls South.	".....	Highland Creek.
".....	Port Colborne.	".....	Islington.
".....	Ridgeway.	".....	King.
".....	Thorold.	".....	Maple.
".....	Welland.	".....	Markham.
Wellington.....	Alma.	".....	Mount Albert.
".....	Arthur.	".....	Newmarket.
".....	Bellwood.	".....	Queensville.
".....	Clifford.	".....	Richmond Hill.
".....	Drayton.	".....	Scarborough.
".....	Elora.	".....	Stouffville.
".....	Erin.	".....	Thornhill.
".....	Ennotville.	".....	Toronto.
".....	Fergus.	".....	Toronto Junction.
".....	Glen Allen.	".....	Unionville.
".....	Grand Valley.	".....	Vandorf.
".....	Guelph.	".....	Weston.
".....	Harriston.	".....	Woodbridge.

The above list may be classified as follows :

Public Libraries reporting .....	247
Free Libraries reporting.....	117
Public Libraries not reporting .....	29
Free Libraries not reporting .....	3
Public Libraries incorporated since 30th April, 1899 .....	10

## I. PUBLIC LIBRARIES (NOT FREE).

The following extracts are taken from the annual reports for the year ending 30th April, 1899. (For details see tables A and B) :

### 1. *Classification of Public Libraries Reporting 1898-99.*

Public Libraries, with libraries, reading rooms, and evening classes..	2
“ “ “ “ and reading rooms .....	128
“ “ “ “ only .....	117
Total .....	247

### 2. *Public Libraries—Receipts and Balances on hand.*

The total receipts of Public Libraries was .....	\$75,875 36
Balances on hand.....	5,969 83

### 3. *Public Libraries—Expenditure.*

The total expenditure of 247 Public Libraries was.....	\$69,905 53
--	-------------

### 4. *Public Libraries—Assets and Liabilities.*

Assets of 247 Public Libraries .....	\$358,395 72
Liabilities of 247 Public Libraries .....	16,021 00

### 5. *Number of Members in Public Libraries.*

247 Public Libraries have 32,249 members.

### 6. *Number of Volumes in Public Libraries and Number of Volumes Issued.*

Number of volumes in 247 Libraries .....	436,124
Number of volumes issued in 247 Libraries.....	734,642

### 7. *Reading Rooms in Public Libraries.*

128 Libraries reporting have reading rooms.  
128 Libraries subscribed for 2,717 newspapers and periodicals.

### 8. *Evening Classes in Public Libraries.*

2 Libraries had 35 pupils in the drawing courses.

TABLE A.—Receipts and Expenditure, Assets and Liabilities, etc., of the Public Libraries for the year ending 30th April, 1899.

Public Libraries.	Receipts.		Expenditures.		Balances on hand.		Number of members	Number of volumes in Libraries.	Number of volumes issued.	No. of newspapers and periodicals.	Number of pupils in evening classes.	Assets.		Liabilities.	
	\$	c.	\$	c.	\$	c.						\$	c.	\$	c.
1 Aberardar	492	20	492	20			104	2,901	3,323	25		1,616	00	149	05
2 Admaston	144	90	122	66	22	24	145	961	902			443	24		
3 Allan's Mills	54	74	54	70		04	58	363	587			300	04		
4 Alliston	192	42	185	43	6	99	107	1,585	2,734			1,179	79		
5 Alma	110	35	103	89	6	46	104	479	958			237	75	16	00
6 Almonte	760	89	566	73	194	16	145	2,869	6,530	30		2,713	97		
7 Arkona	266	05	264	31	1	74	160	1,627	1,859	18		901	74	90	00
8 Arthur	154	88	153	71	1	17	122	2,591	2,330	18		1,766	17	25	95
9 Atwood	236	93	236	57		36	131	889	6,434			583	97	114	93
10 Auburn	349	06	339	73	9	33	107	545	1,949	13		356	26	100	00
11 Aurora	459	27	455	81	3	46	111	2,526	5,809			3,829	59	984	38
12 Baden	264	43	264	43			103	2,402	1,045	16		1,384	77	38	95
13 Barrie	763	24	751	15	12	09	298	4,070	9,247	28		4,512	09	140	00
14 Bayham	152	45	131	92	20	53	107	303	1,120			224	15		
15 Beamsville	206	08	206	08			184	1,812	3,264	10		1,609	32	163	07
16 Beaverton	326	19	326	11		08	125	1,000	2,435	13		836	37	23	73
17 Belleville	1,997	40	1,923	08	74	32	157	3,893	9,250	32		4,374	32	240	19
18 Belmont	81	61	81	61			109	1,021	1,584			821	65		
19 Belwood	154	60	152	01	2	64	111	765	1,964			652	64	30	00
20 Bervie	33	00	18	00	15	00	104	517	1,523			325	00		
21 Blenheim	781	92	781	46		46	133	2,884	5,264	21		2,355	46	165	00
22 Bloomfield	373	19	367	95	5	24	233	1,131	8,759	24		855	08	66	45
23 Blyth	115	18	115	18			104	1,345	591	21		606	00	7	43
24 Bobcaygeon	447	58	213	89	233	69	117	2,053	2,814	16		1,840	76		
25 Bagnor	151	09	108	49	42	60	104	1,249	3,194			869	93		
26 Bolton	281	89	281	89			141	2,351	7,501	20		1,644	49		
27 Bowmanville	548	60	548	60			182	2,891	5,376	41		2,965	00	48	02
28 Bracebridge	437	94	379	19	58	75	155	2,374	4,918	25		2,333	75	11	64
29 Bracondale	122	86	117	28	5	58	103	147	486			99	38		
30 Bradford	354	54	310	17	44	37	106	1,781	2,978			1,331	27	127	24
31 Bridgeburg	153	80	111	98	41	82	153	293	694			193	80		
32 Brooklyn	244	21	232	98	11	23	141	1,132	2,486			585	42	75	15
33 Burford	478	01	477	35		66	121	1,141	2,989	19		805	43	37	00
34 Burlington	346	97	274	31	72	66	113	1,514	3,210	6		1,372	66	106	00
35 Burnstown	83	20	83	20			109	450	768			205	00	15	00
36 Calabogie	4	05			4	05	10	248	127			136	08		
37 Cambray	220	14	200	02	20	12	100	305	361			211	57	92	85
38 Campbellford	446	17	427	44	18	73	184	3,557	4,387	22		1,843	73	72	50
39 Cannington	342	27	316	63	25	64	114	1,762	5,383	21		1,560	64		
40 Carrigill	183	76	180	27	3	49	130	849	2,202			515	34		
41 Carp	175	71	138	99	36	72	101	717	1,193			520	72		
42 Chapleau	769	03	622	06	146	97	104	1,408	1,201	29		4,476	30	159	27
43 Chatsworth	156	03	138	78	17	25	102	2,178	3,411			1,518	34		
44 Cheapside	125	98	98	73	27	25	105	1,023	981			682	88		
45 Cheltenham	218	81	218	45		36	123	2,146	2,418			1,835	66		
46 Claremont	217	56	199	70	17	86	102	1,850	2,051			1,171	40		
47 Clarksburg	386	81	379	67	7	14	154	882	2,378	5		856	22	26	00
48 Claude	182	45	153	04	29	41	106	2,290	2,139			1,704	41		
49 Clifford	224	84	224	84			160	2,779	1,333			938	36	57	39
50 Clinton	526	58	494	48	32	10	146	3,768	3,726	25		4,014	10		
51 Cobourg	764	63	754	02	10	61	192	2,702	7,716	30		1,360	61	126	00
52 Colborne	163	85	137	48	26	37	108	1,946	2,402	18		761	37	35	00
53 Cold Springs	68	10	63	33	4	77	114	856	715			736	53	90	99
54 Coldstream	212	64	211	89		75	120	1,144	2,462	22		525	75		
55 Coldwater	352	85	351	20	1	65	133	828	2,326	20		524	75	80	00
56 Comber	431	61	307	79	123	82	101	986	2,184	21		748	82		
57 Cookstown	205	00	200	00	5	00	107	441	2,001			405	00	100	00
58 Copleston	125	73	117	79	7	94	119	421	298			257	94	46	71
59 Copper Cliff	207	15	195	00	12	15	101	870	1,572			657	15		
60 Dalhousie (McDonald's Cor's. P.O.)	67	93	60	49	7	44	100	310	453			217	44		
61 Don	119	57	94	25	25	32	103	639	634			382	51		



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Public Libraries.	Receipts.		Expenditures.		Balances on hand.		Number of members.	Number of volumes in Libraries.	Number of volumes issued.	No. of newspapers and periodicals.	Number of pupils in evening classes.	Assets.		Liabilities.	
	£	s.	£	s.	£	s.						£	s.	£	s.
62 Dorchester .....	233	57	201	19	32	38	106	581	1,404	.....	.....	322	90	.....	.....
63 Douglas .....	121	69	120	65	1	04	104	583	1,250	.....	.....	311	04	.....	.....
64 Dresden .....	177	49	165	22	12	27	104	871	2,999	.....	.....	553	33	32	50
65 Dryden .....	330	48	301	87	28	61	103	525	842	12	.....	274	31	171	97
66 Duart .....	192	82	149	49	43	33	104	1,942	3,842	.....	.....	1,340	99	.....	.....
67 Dufferin (Cian-brassil P.O.) ..	137	47	25	00	112	47	77	1,105	865	.....	.....	967	46	.....	.....
68 Dundalk .....	311	67	308	51	3	16	180	2,192	4,804	.....	.....	1,503	16	.....	.....
69 Dundas .....	848	74	774	31	74	43	190	6,588	5,211	34	.....	5,474	43	13	25
70 Dundela .....	14	78	14	03	75	.....	.....	156	767	.....	.....	36	25	.....	.....
71 Dungannon .....	161	50	143	05	18	45	105	1,260	536	15	.....	661	83	56	05
72 Dunnville .....	242	40	232	68	9	72	113	2,863	6,043	.....	.....	1,509	72	.....	.....
73 Durham .....	413	55	319	73	93	82	120	3,784	4,256	26	.....	3,893	00	.....	.....
74 Easton Corners ..	227	83	194	63	33	20	102	769	1,731	.....	.....	532	59	85	05
75 Elmira .....	220	37	217	52	2	85	108	2,501	2,374	17	.....	1,681	46	.....	.....
76 Elmvale .....	268	83	254	30	14	53	101	750	1,038	14	.....	259	23	156	60
77 Flora .....	487	39	487	39	.....	.....	185	8,596	7,624	20	.....	8,450	00	.....	.....
78 Embro .....	339	69	339	69	.....	.....	112	4,315	4,084	20	.....	3,593	58	23	50
79 Ennottville (Barnett P.O.) ..	163	72	112	60	51	12	103	2,411	602	.....	.....	2,878	73	.....	.....
80 Essex .....	525	70	524	51	1	19	125	2,084	2,844	24	.....	2,230	95	25	00
81 Ethel .....	128	45	128	22	23	.....	120	1,206	1,132	.....	.....	788	11	.....	.....
82 Fenella .....	53	51	34	61	18	90	118	453	410	.....	.....	175	67	.....	.....
83 Fenelon Falls ..	340	32	322	99	17	33	142	3,215	3,969	33	.....	2,437	26	25	00
84 Fergus .....	345	99	344	92	1	07	300	4,293	5,639	16	.....	5,432	81	.....	.....
85 Flesherton .....	155	98	155	98	.....	.....	110	1,128	1,262	22	.....	580	00	55	79
86 Floradale .....	158	32	150	39	7	93	110	1,387	1,757	7	.....	724	93	.....	.....
87 Fonthill .....	538	42	535	14	3	28	115	2,195	1,661	19	.....	2,068	12	98	00
88 Forks of the Credit .....	3	25	3	25	.....	.....	50	.....	375	.....	.....	910	25	.....	.....
89 Fort Erie .....	130	40	128	64	1	76	105	2,233	2,013	.....	.....	1,365	98	7	00
90 Fort Francis .....	176	50	174	30	2	20	102	247	957	23	.....	178	77	68	76
91 Galt .....	914	34	688	51	225	83	348	4,513	12,761	41	21	6,530	83	.....	.....
92 Gananoque .....	887	28	633	50	253	78	168	2,395	10,317	23	.....	1,564	38	.....	.....
93 Glen Allan .....	131	61	118	70	12	91	102	608	886	1	.....	358	71	3	00
94 Glenmorris .....	227	20	227	20	.....	.....	101	1,892	1,261	15	.....	1,473	00	3	00
95 Goderich .....	448	39	443	46	4	93	139	3,520	10,870	24	.....	2,154	93	37	08
96 Gore's Landing ..	173	03	156	29	16	74	103	222	141	.....	.....	176	74	122	07
97 Grimsby .....	462	55	407	72	54	83	114	4,797	4,382	20	.....	4,860	53	.....	.....
98 Harrington .....	213	94	213	29	65	.....	101	402	801	.....	.....	203	85	70	00
99 Hamilton .....	1,081	37	1,080	51	86	.....	122	3,871	2,155	25	.....	2,400	86	500	00
100 Harrow .....	214	63	209	18	5	45	111	543	185	.....	.....	339	80	21	02
101 Hensall .....	163	23	141	16	22	12	107	1,167	1,101	.....	.....	399	29	.....	.....
102 Hespworth .....	139	43	116	34	23	09	103	715	758	.....	.....	396	94	.....	.....
103 Hespeler .....	460	23	310	95	149	28	178	2,881	4,398	22	.....	2,679	28	.....	.....
104 Highland Creek ..	99	71	91	09	8	62	100	1,409	2,275	.....	.....	1,109	58	.....	.....
105 Holland Centre ..	95	75	94	05	1	70	107	677	760	.....	.....	484	37	.....	.....
106 Holyrood .....	187	36	183	74	3	62	100	1,583	5,075	.....	.....	1,478	79	60	99
107 Huntsville .....	412	67	396	99	15	68	101	1,808	6,104	23	.....	1,175	68	7	58
108 Inglewood .....	133	59	132	88	71	.....	100	1,520	2,803	.....	.....	1,131	71	.....	.....
109 Inkerman .....	48	96	48	96	.....	.....	26	.....	.....	.....	.....	48	96	24	96
110 Islington .....	48	73	44	76	3	97	105	1,102	841	.....	.....	499	65	.....	.....
111 Jarvis .....	462	81	452	01	10	80	122	2,872	4,342	21	.....	1,065	80	159	00
112 Kars .....	185	00	185	00	.....	.....	124	1,244	1,780	.....	.....	638	43	7	74
113 Kearney .....	60	00	32	00	28	00	.....	314	.....	.....	.....	234	94	199	94
114 Kinburn .....	140	27	139	90	37	.....	105	980	1,063	.....	.....	540	80	66	86
115 Kincardine .....	455	63	455	63	.....	.....	201	4,134	11,469	29	.....	3,720	00	247	49
116 King .....	183	56	180	62	2	94	103	1,228	1,113	.....	.....	607	67	161	00
117 Kingston .....	1,081	13	832	14	248	99	600	5,962	16,470	40	.....	3,075	00	270	83
118 Kinmount .....	325	40	313	76	11	64	100	599	1,677	.....	.....	381	60	120	00
119 Kinross .....	328	47	318	47	10	00	130	683	900	.....	.....	510	00	215	60
120 Kirkfield .....	222	66	187	43	35	23	103	1,302	716	15	.....	440	23	87	66
121 Lake Charles .....	171	66	154	95	16	71	100	1,482	2,291	12	.....	1,028	15	.....	.....
122 Little Britain .....	315	98	288	68	27	30	131	1,083	1,789	25	.....	956	25	.....	.....

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	\$	c.	\$	c.	\$	c.						\$	c.	\$	c.
123 Lynden .....	248	74	241	53	7	21	120	885	1,630			425	51	50	00
124 Mallorytown .....	239	15	186	97	52	18	107	717	2,253			418	93	107	00
125 Manila .....	263	63	202	70	60	93	121	1,522	2,418			1,075	87		
126 Manitowaning .....	127	61	116	24	11	37	120	787	1,562			410	57	124	55
127 Manotick .....	165	28	132	24	33	04	110	1,438	2,415			934	20		
128 Maple .....	75	55	74	78	77		195	368	938			234	25		
129 Markdale .....	520	60	499	39	21	21	171	1,984	4,403	18		1,798	21		
130 Markham .....	256	29	255	41		88	105	2,701	3,036			2,020	88	65	00
131 Meaford .....	220	89	208	57	12	32	104	3,455	2,825	15		2,639	32	26	00
132 Melancthon .....	80	85	79	32	1	53	103	345	1,172			160	06	31	50
133 Melbourne .....	49	79	49	79			186	705	2,575			475	00	24	49
134 Midland .....	414	56	408	89	5	67	111	650	2,064	23		655	67	247	00
135 Mildmay .....	180	01	165	12	14	89	110	983	1,387	14		368	88	65	51
136 Milton .....	269	53	259	53			262	4,901	3,816	15		4,200	00	21	67
137 Minden .....	134	82	134	82			140	296	1,560			272	00	18	15
138 Mississippi .....	120	31	110	05	10	26	42	182	74			112	57	102	31
139 Monkton .....	215	95	215	95			143	366	229			208	00	103	00
140 Mono Mills .....	78	78	49	21	29	57	17	575				285	39		
141 Mono Road .....	42	75	42	75			95	1,880	3,314			1,000	00		
142 Morrisburgh .....	395	36	395	36			121	2,126	4,150	28		1,240	00	25	43
143 Morriston .....	178	25	178	25			107	843	1,638			502	92		
144 Mount Albert .....	198	55	193	50	5	05	157	315	1,875			197	66	79	90
145 Mount Forest .....	366	59	360	10	6	49	160	2,996	4,250	20		2,579	19		
146 Nanticoke .....	227	64	211	27	16	37	130	1,115	1,672			807	65		
147 Napanee .....	498	97	497	76	1	21	204	3,279	7,638	25		1,201	21	258	01
148 Napanee Mills .....	99	87	95	58	4	29	119	509	1,063			237	45		
149 New Hamburg .....	285	03	244	71	40	32	103	1,770	1,780	20		1,325	32	30	00
150 Newmarket .....	286	16	283	92	2	24	131	1,719	3,446			1,269	32	45	00
151 Niagara .....	413	82	413	82			121	4,688	5,216	25		4,700	00		
152 Niagara Falls .....	795	25	620	60	174	65	275	4,796	6,244	25		6,374	25		
153 North Gower .....	192	59	192	59			102	1,437	2,425			720	00	8	54
154 Norwich .....	301	09	299	35	1	74	107	3,393	2,954	20		2,366	74		
155 Norwood .....	204	82	204	82			140	1,764	3,562	16		800	00	8	69
156 Oakville .....	311	26	310	00	1	36	116	2,968	2,257			2,469	76	45	00
157 Oakwood .....	285	02	277	18	7	84	122	700	1,873	27		376	53	180	00
158 Odessa .....	290	09	290	09			150	480	2,609	14		265	55	10	00
159 Omeme .....	459	20	459	20			139	943	2,392	22		690	14	68	40
160 Orangeville .....	571	17	531	66	39	51	145	2,810	3,654	27		2,779	51	162	61
161 Orillia .....	906	82	895	57	11	25	212	3,535	8,939	18		3,953	90	164	60
162 Orono .....	170	19	162	89	7	30	153	957	2,934			870	78	38	66
163 Owen Sound .....	556	84	417	91	138	93	226	4,170	13,340	21		5,138	93	12	88
164 Oxford Mills .....	149	33	144	30	5	03	112	1,131	5,020			815	34		
165 Paisley .....	480	51	458	63	21	88	250	3,646	5,401	26		4,311	88	31	70
166 Pakenham .....	153	11	152	83		28	106	402	636	11		265	95	57	00
167 Palmerston .....	603	52	592	77	10	75	265	1,248	6,058	27		1,060	75	250	00
168 Paris .....	561	67	561	67			134	6,544	5,915	36		10,959	60	40	26
169 Pelee Island .....	49	00	49	00			111	187	219			47	50	13	50
170 Pembroke .....	867	94	787	37	80	57	172	1,583	8,694	18		1,601	97	335	91
171 Perth .....	425	44	425	00		44	176	3,955	7,089	15		1,900	44		
172 Peterboro' .....	1,193	14	1,143	83	49	31	368	8,839	15,372	82	14	10,942	73		
173 Pickering .....	256	22	206	30	49	92	101	1,346	1,991			1,079	92		
174 Picton .....	537	35	490	35	47	00	200	1,832	5,805	17		972	00		
175 Pinkerton .....	212	12	211	12	1	00	115	419	575			202	07	109	07
176 Plattsville .....	205	03	180	80	34	23	100	693	2,789	14		414	23		
177 Point Edward .....	79	33	75	84	3	49	60	2,465	1,690	9		2,926	49		
178 Port Arthur .....	334	84	334	84			145	1,285	7,997	28		1,600	00	350	00
179 Port Credit .....	168	90	159	98	8	92	110	812	1,410			527	25		
180 Port Elgin .....	199	85	177	55	22	30	102	3,034	2,988	20		1,592	30		
181 Port Hope .....	820	85	820	85			156	4,134	5,724	35		3,603	00	423	04
182 Port Perry .....	524	48	506	38	18	10	124	1,495	4,350	16		1,218	10	95	07
183 Port Stanley .....	209	57	207	36	2	21	104	640	1,311			529	00		
184 Princeton .....	243	10	220	44	22	66	108	544	1,394			228	11	100	00
185 Preston .....	628	10	627	63		47	150	5,480	3,858	34		5,480	47		
186 Queensville .....	185	96	181	13	4	83	120	1,560	3,103			951	83	55	00
187 Rat Portage .....	723	72	670	48	53	24	103	1,800	3,157	30		1,345	54	464	00



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	\$ c.	\$ c.	\$ c.						\$ c.	\$ c.
188 Richmond .....	149 62	145 17	4 45	102	830	1,349			507 76	
189 Ridgetown .....	370 75	342 75	28 00	113	3,464	4,182	15		4,483 02	57 28
190 Riverdale .....	96 65	95 22	1 43	113	565	756			326 64	
191 Rockwood .....	230 51	215 50	15 01	115	827	2,371	15		404 03	
192 Rodney .....	307 52	299 00	8 52	229	551	1,418	21		506 68	215 80
193 Romney .....	267 20	216 28	50 92	135	1,531	1,226	3		1,200 03	9 00
194 Rosemont .....	285 00	257 02	27 98	111	420	1,137			266 73	200 00
195 Russell .....	281 18	272 75	8 43	125	1,085	1,624	26		1,516 43	
196 Scarboro' .....	247 53	235 54	11 99	115	4,364	5,128			3,246 99	
197 Schreiber .....	428 68	240 32	188 34	112	1,209	4,119	13		745 34	99 90
198 Scotland .....	222 22	216 74	5 48	120	636	2,238	22		389 44	
199 Seaforth .....	635 12	611 36	23 76	177	5,102	2,199	18		4,334 72	1,000 00
200 Slakespeare .....	208 00	206 50	1 50	106	343	36			206 50	100 00
201 Shallow Lake .....	385 47	374 82	10 65	102	717	1,336			412 27	184 55
202 Sheldon .....	292 94	284 53	8 41	106	710	1,169			386 69	135 00
203 Southampton .....	232 58	125 43	107 15	130	3,603	3,709			3,013 08	
204 South River .....	180 80	180 80		113	390	1,417			346 78	
205 Sparta .....	275 07	223 86	51 21	146	1,826	4,263			1,416 57	50 00
206 Spencerville .....	23 00	23 00		123	215	403			132 50	
207 Strathroy .....	623 98	623 98		276	4,947	11,895	27		4,750 00	49 39
208 Streetsville .....	383 45	383 45		106	3,124	3,355	18		2,600 00	173 64
209 St. George .....	421 51	421 51		107	4,225	2,496	18		4,603 86	
210 St. Helen's .....	225 88	223 98	1 90	103	1,064	1,385	18		896 70	40 00
211 Sunderland .....	328 89	265 91	62 98	103	1,242	1,430	25		868 55	
212 Tara .....	270 67	269 51	1 16	108	1,559	1,768	18		1,659 30	
213 Tavistock .....	428 03	327 50	100 53	115	2,266	3,692	26		1,379 10	
214 Teeswater .....	400 15	371 38	28 77	102	3,064	2,267	22		2,078 77	
215 Thamesford .....	198 36	185 80	12 56	152	1,453	2,472	18		1,055 72	21 84
216 Thamesville .....	811 62	810 69	93	131	2,768	3,693	17		2,541 11	300 00
217 Thedford .....	264 27	225 27	39 00	127	1,152	4,367			762 00	
218 Thornbury .....	114 76	112 80	1 96	156	765	2,298			366 96	39 35
219 Thornhill .....	165 00	163 79	1 21	124	455	692	12		245 39	
220 Thornloe .....	30 25	28 99	1 26	112	75	419			30 25	
221 Tilbury .....	368 73	363 23	5 50	111	1,212	1,404	20		861 81	100 00
222 Tilbury E., (Val- etta P.O.) .....	74 84	53 00	21 84	103	1,400	2,893	6		821 84	
223 Tilsonburg .....	386 15	386 15		200	2,045	5,350	15		1,310 00	24 00
224 Tiverton .....	155 14	154 27	87	103	1,163	4,495	9		485 87	
225 Toronto Junction .....	610 68	574 85	35 83	136	2,533	4,885	27		2,494 83	170 02
226 Trout Creek .....	348 79	289 69	59 10	107	474	1,094			348 79	201 20
227 Underwood .....	219 12	198 63	20 49	102	1,630	2,160			865 49	
228 Unionville .....	122 72	106 63	16 09	101	142	146			118 72	
229 Vandonr .....	188 66	187 73	93	160	1,811	1,371			1,450 93	6 77
230 Violet Hill .....	91 37	90 51	86	113	681	1,768			400 86	
231 Walkerton .....	413 37	388 22	25 15	171	2,216	6,820	19		1,768 23	100 00
232 Warkworth .....	274 40	269 00	5 40	108	858	1,318	19		540 40	132 50
233 Waterloo .....	134 13	123 27	10 86	110	1,618	1,478			607 55	
234 Welland .....	550 89	478 68	72 21	236	3,143	4,232	24		3,841 21	
235 West Lorne .....	304 10	254 10	50 00	205	700	1,645	5		500 00	300 00
236 Weston .....	271 04	271 04		122	2,609	3,227	27		2,125 00	7 60
237 Wheatley .....	235 49	230 65	4 84	120	1,223	2,009			764 84	200 84
238 Whitby .....	252 25	236 66	15 59	115	2,474	4,052			1,715 69	33 74
239 Whitchurch .....	70 21	70 21		105	380	705			204 50	25 06
240 Williamstown .....	56 05	36 25	19 80	100	724	367			926 77	75 00
241 Winchester .....	24 24	24 24		58	631	1,196			422 42	24 98
242 Winham .....	519 41	431 05	88 35	120	2,686	3,571	44		1,978 35	
243 Woodbridge .....	357 99	209 18	148 81	140	1,464	2,345	14		1,405 27	249 00
244 Woodstock .....	782 25	782 25		290	5,149	5,717	48		3,500 00	71 63
245 Woodville .....	351 60	283 90	67 70	100	1,855	2,044	30		1,087 70	
246 York .....	210 74	180 08	30 66	121	281	876			200 95	155 49
247 Zephyr .....	263 17	239 97	23 20	118	382	2,291			225 66	158 39
	75,875 36	69,905 53	5,969 83	32,249	436,124	734,642	2,717	35	358,395 72	16,021 00



TABLE B.—Evening Classes in Drawing in Public Libraries, 1898-9.

Public Libraries.	Number of Students.	Primary Course.
Galt .....	9	Practical Geometry.

Public Libraries.	Number of Students.	Primary Course.
Galt .....	20	Descriptive Geometry, Machine Drawing and Advanced Perspective.
Peterboro' .....	14	Machine Drawing.
	34	

## II. FREE LIBRARIES.

The following extracts are taken from the Annual Reports for the year ending 30th April, 1899, (for details see table C).

1. *Free Libraries' Receipts and Balances on hand.*

The total receipts of 117 Free Libraries was..... \$117,545 84  
Balances on hand..... 8,407 05

2. *Free Libraries' Expenditure.*

The total expenditure of 117 Free Libraries was ..... \$109,138 79

3. *Free Libraries' Assets and Liabilities.*

Assets of 117 Free Libraries ..... \$577,580 09  
Liabilities " ..... 113,902 49

4. *Number of Readers in Free Libraries.*

117 Free Libraries report having had 89,148 readers.

5. *Number of Volumes in Free Libraries, and Number of Volumes Issued.*

Number of volumes in 117 Free Libraries ..... 425,923  
Number of volumes issued " ..... 1,812,489

6. *Reading Rooms in Free Libraries.*

72 Free Libraries subscribed for 3,112 newspapers and periodicals.

TABLE C.—Receipts and Expenditures, Assets and Liabilities of Free Libraries for the year ending 30th April, 1899.

Free Libraries.	Receipts.	Expenditures.	Balances on hand.	Number of members.	Number of volumes in Libraries.	Number of volumes issued.	Number of newspapers and periodicals.	Assets.	Liabilities.
	\$ c	\$ c	\$ c					\$ c	\$ c
1 Acton .....	501 71	490 29	11 42	150	1,285	2,986	.....	1,287 40	210 00
2 Algonquin .....	160 91	131 45	29 46	117	1,272	1,693	.....	503 17	.....
3 Alton .....	246 59	246 59	.....	344	4,609	3,958	.....	3,849 34	18 91
4 Alvington .....	664 71	643 71	21 00	210	1,066	3,687	13	721 00	350 00
5 Angus .....	46 97	44 76	2 21	162	347	2,035	.....	154 74	1 50
6 Arnprior .....	522 24	516 04	6 20	310	1,765	7,929	.....	1,276 20	88 07
7 Aymer .....	475 49	474 73	76	418	3,197	9,560	24	3,100 76	.....
8 Ayr .....	191 04	190 53	51	120	3,236	5,443	18	1,600 51	.....
9 Beeton .....	337 10	330 72	6 38	142	2,381	2,730	29	1,306 38	40 00
10 Belfountain .....	118 18	118 18	.....	175	1,677	2,347	.....	1,000 09	.....
11 Berlin .....	1,796 35	1,796 35	.....	943	6,774	16,072	51	5,980 00	.....
12 Brampton .....	685 13	646 45	38 68	479	3,185	13,344	20	1,939 01	.....
13 Brantford .....	3,416 68	3,302 24	114 44	2,425	15,795	70,013	71	13,864 44	.....
14 Brighton .....	283 45	275 71	7 74	203	1,462	1,035	24	1,407 64	.....
15 Brockville .....	1,469 28	1,334 63	134 65	1,990	8,348	50,772	46	4,884 65	.....
16 Brussels .....	425 72	411 23	14 49	282	2,051	3,283	29	1,039 99	60 00
17 Burk's Falls .....	508 66	485 44	23 22	310	1,080	2,823	22	748 22	.....
18 Caledon .....	228 38	183 76	44 62	113	2,303	2,070	.....	1,825 06	.....
19 Caledonia .....	249 56	245 56	4 00	148	1,615	3,120	.....	1,029 00	.....
20 Camden East .....	193 57	173 07	20 50	166	1,100	2,048	13	668 88	15 00
21 Cardinal .....	381 08	330 43	50 65	257	1,578	3,151	23	1,175 65	80 00
22 Carleton Place .....	742 37	686 14	56 23	600	3,255	17,163	16	2,356 23	11 78
23 Cayuga .....	260 00	260 00	.....	168	828	4,971	.....	620 00	.....
24 Chatham .....	2,020 60	1,870 22	150 38	758	6,156	18,794	39	4,425 00	.....
25 Chesley .....	406 14	399 42	6 72	233	1,408	3,347	34	756 72	.....
26 Chesterville .....	140 20	131 37	8 83	300	526	3,000	.....	411 83	.....
27 Collingwood .....	999 44	822 56	176 88	818	5,021	15,416	34	5,584 37	.....
28 Cornwall .....	987 49	881 46	106 03	943	2,660	14,446	35	1,813 50	375 00
29 Creemore .....	139 05	118 28	20 77	220	956	3,068	.....	420 77	.....
30 Deseronto .....	902 50	774 35	128 15	802	2,280	24,681	57	2,593 62	.....
31 Delhi .....	643 19	619 90	23 29	268	1,217	4,153	19	830 11	.....
32 Drayton .....	410 55	382 20	28 35	274	2,432	3,939	18	1,428 35	.....
33 Dutton .....	344 83	344 26	57	289	866	3,574	13	569 48	.....
34 Enterprise .....	133 63	133 63	.....	160	685	1,249	8	351 21	.....
35 Erin .....	171 98	169 11	2 87	166	1,452	4,714	.....	991 00	.....
36 Exeter .....	618 89	615 79	2 60	430	3,276	8,824	17	2,302 60	.....
37 Fordwich .....	346 41	246 41	.....	176	1,398	3,720	.....	922 54	17 33
38 Forest .....	559 81	525 58	34 23	576	3,551	9,324	22	2,764 23	148 20
39 Garden Island .....	1,047 83	608 83	439 00	156	4,900	899	34	3,139 00	.....
40 Georgetown .....	480 91	466 77	14 14	355	2,154	7,195	32	1,814 14	50 00
41 Glencoe .....	197 00	197 00	.....	362	1,500	.....	.....	697 00	.....
42 Gore Bay .....	201 58	181 80	19 78	342	1,318	1,413	.....	1,642 23	14 75
43 Gorrie .....	194 85	190 07	4 28	101	1,545	3,160	.....	993 65	.....
44 Grand Valley .....	178 17	173 64	4 53	214	1,744	2,965	13	1,090 10	.....
45 Grantham (St. Catharines, P.O.) .....	290 19	288 18	2 01	144	858	1,632	.....	539 01	100 00
46 Gravenhurst .....	226 69	179 95	46 74	414	1,660	16,816	.....	918 95	50 00
47 Guelph .....	1,622 96	1,622 96	.....	1,190	9,912	60,324	46	9,650 00	.....
48 Hagersville .....	431 45	422 30	9 15	300	1,318	4,827	16	872 74	150 31
49 Hamilton .....	14,392 95	14,303 30	89 65	11,792	26,262	215,652	248	60,993 76	31,400 00
50 Hanover .....	207 46	189 16	18 30	225	430	2,832	.....	199 66	173 50
51 Ingersoll .....	784 28	681 41	102 87	892	3,339	19,792	25	2,102 87	.....
52 Iroquois .....	346 04	314 85	31 19	170	1,520	2,526	27	1,585 19	.....
53 Kingsville .....	434 15	361 01	73 14	150	928	2,559	17	823 14	.....
54 Lakefield .....	259 55	214 43	45 12	154	719	3,849	18	495 12	27 35
55 Lanark .....	275 91	269 68	6 23	380	837	6,225	15	496 87	.....
56 Lancaster .....	165 07	154 70	10 37	208	2,016	2,899	.....	1,135 37	.....
57 Leamington .....	532 81	508 26	24 55	755	1,605	10,735	20	1,110 45	.....
58 Lindsay .....	1,211 16	1,142 68	68 48	369	2,627	4,450	44	2,668 48	210 00
59 Listowel .....	349 80	296 99	53 81	385	2,170	3,681	21	1,502 81	64 80
60 Little Current .....	129 46	129 00	46	134	1,225	10,050	.....	725 70	.....
61 London .....	9,097 05	7,548 15	1,548 90	5,000	12,505	85,052	189	33,355 73	22,409 71
62 Lucan .....	409 11	362 41	46 70	180	2,096	7,210	.....	1,856 70	120 00

TABLE C.—Receipts, Expenditures, Assets and Liabilities of Free Libraries.—*Con.*

Free Libraries.	Receipts.		Expenditures.		Balances on hand.		Number of members.	Number of volumes in Libraries.	Number of volumes issued.	Number of newspapers and periodicals	Assets.		Liabilities.	
	\$	c.	\$	c.	\$	c.					\$	c.	\$	c.
63 Lucknow .....	242	59	231	20	11	39	246	2,312	4,790	22	1,211	39		
64 Merrickville .....	50	00	49	50	49	50	195	1,601	300		2,049	50		
65 Merrittton .....	353	20	227	08	126	12	172	1,193	4,416		832	34	21	90
66 Millbrook .....	504	29	502	26	2	03	184	1,194	4,640	27	747	03	162	95
67 Milverton .....	203	55	203	37		18	227	1,059	3,068		679	80		
68 Mitchell .....	577	43	501	94	75	49	271	3,444	6,674	21	4,584	92		
69 Mono Centre .....	133	62	133	62			108	711	1,275		375	00	74	52
70 Newburg .....	262	97	258	94	4	03	189	1,685	2,491	21	1,255	08	136	51
71 Niagara Falls S .....	199	68	199	68			381	2,022	5,214		1,235	00	25	00
72 North Augusta .....	121	35	115	52	5	83	130	631	1,992		350	53	50	00
73 North Bay .....	339	57	309	49	30	08	321	1,521	5,435	22	1,401	00	6	25
74 Oil Springs .....	423	63	395	55	28	08	224	1,114	4,434		805	00		
75 Oshawa .....	581	39	562	53	18	86	292	2,447	4,919	36	1,520	86	110	00
76 Otterville .....	205	29	159	31	45	98	177	425	1,946		307	97	118	00
77 Parkhill .....	243	64	225	39	18	25	260	1,591	4,943		1,004	25	11	75
78 Parry Sound .....	420	51	381	00	39	51	176	1,035	3,628	18	779	51		
79 Penetanguishene .....	634	29	634	29			306	4,268	9,200	30	2,250	00	98	00
80 Port Carling .....	150	52	150	52			114	842	1,194	13	570	00	94	33
81 Port Colborne .....	164	58	164	08		50	314	1,448	4,850		1,093	15	1	50
82 Port Rowan .....	294	45	294	45			202	1,636	3,461		1,692	58	201	72
83 Primrose .....	126	66	125	66	1	00	109	679	1,629		701	00	50	00
84 Prescott .....	512	99	469	50	43	49	642	4,145	12,461	23	4,738	98		
85 Renfrew .....	550	95	536	21	14	74	300	3,143	11,104	20	3,509	74	22	92
86 Richmond Hill .....	311	35	253	39	57	96	168	2,657	3,708	28	1,957	96		
87 Ridgeway .....	150	95	140	42	10	53	189	655	2,570		418	61		
88 Sault, Ste. Marie .....	568	21	514	69	53	52	530	1,609	9,043	18	1,243	52		
89 Shelburne .....	407	49	404	50	2	99	252	1,715	5,615	22	1,318	82		
90 Simcoe .....	1,007	10	1,007	10			532	4,628	10,702	41	6,500	00	128	60
91 Smith's Falls .....	897	58	897	58			662	3,867	14,672	14	1,575	00	200	16
92 Springfield .....	390	54	388	35	2	19	175	1,010	1,835		724	58	355	00
93 Stayner .....	142	93	137	57	5	36	243	1,208	4,808		766	51		
94 Stouffville .....	479	92	410	97	68	95	201	3,355	3,410	26	3,428	95		
95 Stratford .....	2,751	12	2,379	66	371	46	1,028	4,641	26,401	38	4,042	20		
96 St. Catharines .....	2,130	96	1,805	84	325	12	1,749	7,023	41,730	45	5,806	12		
97 St. Mary's .....	460	71	388	14	72	57	679	4,777	12,334	22	4,672	57		
98 St. Thomas .....	1,658	12	1,553	92	104	20	1,197	6,955	21,257	45	4,704	20		
99 Sundridge .....	240	95	240	95			162	633	1,905	16	395	00		
100 Tamworth .....	342	46	342	46			169	862	2,329	29	425	95	41	05
101 Thessalon .....	326	06	325	99		07	249	1,178	4,937	15	515	14	203	57
102 Thorold .....	524	37	443	73	80	64	650	4,248	7,574	23	5,519	32		
103 Toronto .....	33,283	90	31,364	97	1,918	93	29,054	108,376	608,424	840	240,262	49	54,925	96
104 Tottenham .....	350	71	318	91	31	80	115	2,006	3,095		1,264	71		
105 Uxbridge .....	900	69	900	69			486	5,039	11,842	29	9,000	00		
106 Vars .....	122	32	122	32			46	320	284		217	06	3	45
107 Victoria (Caledonia P.O.) .....	134	80	130	85	3	95	110	1,832	1,269		1,334	01		
108 Wallaceburg .....	749	91	671	13	78	78	404	821	7,551	20	717	16	188	33
109 Wardsville .....	118	35	115	85	2	50	196	1,161	2,264		744	07	1	00
110 Waterford .....	318	99	318	99			287	1,120	4,740		715	00	3	96
111 Waterloo .....	601	99	509	70	92	29	850	6,339	8,280	37	5,043	49		
112 Walford .....	441	10	419	31	21	79	200	1,822	3,425	22	1,461	79	169	27
113 Weston .....	88	25	77	25	11	00	110	987	829		775	09		
114 Wiarton .....	580	94	580	94			302	2,424	5,588	25	1,727	85	235	34
115 Windsor .....	3,127	68	2,529	91	597	77	1,286	7,731	36,381	54	7,034	82		
116 Wroxeter .....	280	99	247	63	33	36	243	3,906	4,082		3,752	17		
117 Wyoming .....	261	94	252	91	9	03	137	1,711	4,116		1,423	13	65	24
Total .....	117,545	84	109,138	79	8,407	05	89,148	425,923	1,812,489	3,122	577,580	09	113,902	49



# PROPORTIONATE NUMBER OF VOLUMES IN PUBLIC LIBRARIES.

## *Libraries with less than 250 volumes.*

Bracondale, Calabogie, Dundela, Fort Francis, Gores Landing, Mississippi, Pelee Island, Spencerville, Thornloe, Unionville.

## *Libraries with over 250 and less than 500 volumes.*

Allan's Mills, Alma, Angus, Bayham, Bridgeburg, Burnstown, Cambray, Cookstown, Copleston, Dalhousie, (McDonald's Corners) Fenella, Hanover, Harrington, Kearney, Maple, Melancthon, Minden, Monkton, Mount Albert, Odessa, Otterville, Pakenham, Pinkerton, Rosemont, Shakespeare, South River, Thornhill, Trout Creek, Vars, White Lake, York, Zephyr.

## *Libraries with over 500 and less than 1,000 volumes.*

Admaston, Atwood, Auburn, Belwood, Bervie, Cargill, Carp, Cayuga, Chesterville, Clarksburg, Cold Springs, Coldwater, Comber, Copper Cliff, Creemore, Don, Dorchester, Douglas, Dresden, Dryden, Dutton, Easton's Corners, Elmvale, Enterprise, Glen Allan, Grantham, (St. Catharines P.O.) Harrow, Hepworth, Holland Centre, Kenburn, Kingsville, Kinmount, Kintore, Lakefield, Lanark, Lynden, Mallorytown, Manitowaning, Melbourne, Midland, Mildmay, Mono Centre, Mono Mills, Morriston, Napanee Mills, North Augusta, Oakland, Omeme, Orono, Plattsville, Port Carling, Port Credit, Port Stanley, Primrose, Princeton, Richmond, Ridgeway, Riverdale, Rockwood, Rodney, Scotland, Shallow Lake, Shelden, Sundridge, Tamworth, Thornbury, Violet Hill, Wallaceburg, Warkworth, Westford, West Lorne, Williamstown, Winchester

## *Libraries with over 1,000 and less than 1,500 volumes.*

Acton, Algonquin, Alvinston, Beaverton, Belmont, Bloomfield, Blyth, Bagnor, Brighton, Brooklin, Burford, Burk's Falls, Camden East, Chapleau, Cheapside, Chesley, Coldstream, Delhi, Dufferin, (Glanbrassil P.O.) Dungannon, Erin, Ethel, Flesherton, Floradale, Fordwich, Gore Bay, Hagersville, Hensall, Highland Creek, Islington, Kars, King, Kirkfield, Lake Charles, Little Britain, Little Current, Manotick, Merritton, Millbrook, Milverton, Nanticoke, North Gower, Oil Springs, Oxford Mills, Palmerston, Parry Sound, Pickering, Port Arthur, Port Colborne, Port Perry, Russell, Schreiber, Springfield, Stayner, St. Helens, Sunderland, Thamesford, Thedford, Thessalon, Tilbury, Tilbury East, (Valetta P.O.) Tiverton, Wardsville, Waterford, Wheatley, Woodbridge.

## *Libraries with over 1,500 and less than 2,000 Volumes.*

Alliston, Arkona, Arnprior, Beamsville, Belfountain, Bradford, Burlington, Caledonia, Cannington, Cardinal, Claremont, Colborne, Duart, Glencoe, Glenmorris, Gorrie, Grand Valley, Gravenhurst, Holyrood, Huntsville, Inglewood, Iroquois, Leamington, Manilla, Markdale, Merrickville, Mono Road, Newburgh, New Hamburg, Newmarket, North Bay, Norwood, Parkhill, Pembroke, Picton, Port Rowan, Queensville, Rat Portage, Romney, Sault Ste Marie, Shelburne, Sparta, Tara, Underwood, Vandorf, Victoria (Caledonia P.O.), Waterdown, Watford, Woodville, Wyoming.

## *Libraries with over 2,000 and less than 2,500 Volumes.*

Baden, Beeton, Bobcaygeon, Bolton, Bracebridge, Brussels, Caledon, Chatsworth, Cheltenham, Claude, Deseronto, Dundalk, Ennotville, Essex, Fonihill, Fort Erie, Gananoque, Georgetown, Lancaster, Listowel, Lucan, Lucknow, Niagara Falls South, Oshawa, Point Edward, Tavistock, Tilsonburg, Tottenham, Walkerton, Whitby, Warton.

## *Libraries with over 2,500 and less than 3,000 Volumes.*

Aberarder, Almonte, Arthur, Aurora, Blenheim, Bowmanville, Cliford, Cobourg, Cornwall, Dunnville, Elmira, Hespeler, Jarvis, Lindsay, Markham, Morrisburg, Mount Forest, Oakville, Orangeville, Richmond Hill, Thamesville, Toronto Junction, Weston, Wingham.

*Libraries with over 3,000 and less than 3,500 Volumes.*

Aylmer, Ayr, Brampton, Carleton Place, Exeter, Fenelon Falls, Forest, Ingersoll, Meaford, Mitchell, Napanee, Norwich, Port Elgin, Renfrew, Ridgetown, Stouffville, Streetsville, Teeswater, Welland.

*Libraries with over 3,500 and less than 4,000 volumes.*

Belleville, Campbellford, Clinton, Durham, Goderich, Harriston, Orillia, Paisley, Perth, Smith's Falls, Southampton, Wroxeter,

*Libraries with over 4,000 and less than 5,000 volumes.*

Alton, Barrie, Embro, Fergus, Galt, Garden Island, Grimsby, Kincardine, Milton, Niagara, Niagara Falls, Owen Sound, Penetanguishene, Port Hope, Prescott, Scarborough, Simcoe, St. George, St. Marys, Stratford, Strathroy, Thorold.

*Libraries with over 5,000 and less than 6,000 volumes.*

Collingwood, Kingston, Preston, Seaforth, Uxbridge, Woodstock.

*Libraries with over 6,000 and less than 8,000 volumes.*

Berlin, Chatham, Dundas, Paris, St. Catharines, St. Thomas, Waterloo, Windsor.

*Libraries with over 8,000 and less than 10 000 volumes.*

Brockville, Elora, Guelph, Peterboro.

*Libraries with over 10,000 and less than 20,000 volumes.*

Brantford, London.

*Libraries with over 20,000 and less than 30,000 volumes.*

Hamilton.

*Library with over 100,000 volumes.*

Toronto.

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### III. ART SCHOOLS AND DEPARTMENTAL DRAWING EXAMINATIONS.

Tables D to H show the number of Certificates awarded from the commencement of this branch of the Education Department, 1882 to 1899.

TABLE D.—Certificates awarded in Primary Art Course from 1882 to 1899.

Year.	Freehand drawing.	Geometry.	Perspective.	Model drawing.	Blackboard drawing.	Teacher's certificates.	Total.
1882.....	28	21	17	12	28		106
1883.....	84	89	58	47	76		354
1884.....	153	174	139	138	86	66	756
1885.....	214	529	301	168	198	122	1,532
1886.....	634	672	149	662	414	77	2,608
1887.....	643	1,204	428	444	122	103	2,944
1888.....	805	882	520	403	236	133	2,979
1889.....	1,002	961	394	470	494	187	3,508
1890.....	1,000	1,009	290	811	313	180	3,553
1891.....	1,085	1,569	292	746	422	164	4,278
1892.....	1,361	1,419	569	1,120	720	338	5,527
1893.....	1,769	1,277	439	876	392	220	4,973
1894.....	1,883	719	548	550	562	153	3,915
1895.....	1,813	1,429	653	1,311	991	341	6,543
1896.....	1,195	569	361	1,110	1,121	265	4,621
1897.....	716	500	212	704	516	114	2,762
1898.....	854	311	173	1,224	604	149	3,315
1899.....	1,062	465	168	1,128	1,170	160	4,153
Total.....	15,801	13,799	5,716	11,924	8,465	2,722	58,427

TABLE E.—Certificates Awarded in Advanced Art Course from 1883 to 1899.

Year.	Shading from flat.	Outline from round.	Shading from round.	Drawing from flowers.	Ornamental design.	Industrial design.	Teachers' certificates.	Total.
1883.....	5	5	12	18				40
1884.....	16	5	12	12				45
1885.....	33	18	35	29			4	119
1886.....	35	24	19	48			3	129
1887.....	59	27	28	25	34		14	187
1888.....	22	17	39	44	20		9	151
1889.....	65	36	58	24	25		14	222
1890.....	62	30	76	43	22		15	248
1891.....	80	52	67	66	38		23	326
1892.....	24	32	53	72	37		13	231
1893.....	58	54	73	62	54		13	314
1894.....	31	44	58	79	68		24	304
1895.....	56	52	78	58	29		11	284
1896.....	60	74	103	113		29	17	396
1897.....	61	47	126	95		41	18	388
1898.....	67	73	169	187		44	18	558
1899.....	61	69	152	160		57	22	521
Total .....	795	659	1,158	1,135	327	171	218	4,463



TABLE F.—Certificates Awarded in Industrial Art Course from 1885 to 1899.

Year.	Modelling in clay.	Wood carving.	Wood engraving.	Lithography.	Painting on china.	Total.
1885.....	14	.....	.....	.....	.....	14
1886.....	11	7	.....	.....	.....	18
1887.....	8	2	.....	.....	.....	10
1888.....	10	3	1	1	9	24
1889.....	7	1	3	2	6	19
1890.....	7	4	.....	1	6	18
1891.....	5	2	1	.....	7	15
1892.....	2	1	.....	1	3	7
1893.....	5	2	.....	1	3	11
1894.....	4	2	.....	2	10	18
1895.....	5	3	2	6	18	34
1896.....	3	2	.....	3	30	38
1897.....	5	3	1	4	17	30
1898.....	7	5	.....	1	17	30
1899.....	9	14	..	2	17	42
Total .....	102	51	8	24	143	328

TABLE G.—Certificates awarded in Mechanical Drawing Course from 1883 to 1899.

Year.	Advanced geometry.	Machine drawing.	Building construction.	Industrial design.	Architectural design.	Advanced perspective.	Teachers' certificates.	Total.
1883.....	2	3	1	2	.....	3	.....	11
1884.....	1	1	1	1	.....	1	.....	5
1885.....	12	32	4	25	.....	12	4	89
1886.....	14	13	5	28	.....	14	3	77
1887.....	6	5	12	18	.....	6	2	49
1888.....	8	7	7	15	.....	11	2	50
1889.....	13	23	11	20	.....	12	3	82
1890.....	11	23	5	8	.....	12	2	61
1891.....	3	31	8	31	.....	28	2	103
1892.....	17	25	13	38	.....	15	2	110
1893.....	14	33	10	47	.....	35	10	149
1894.....	12	17	6	90	.....	9	3	137
1895.....	5	22	9	31	.....	12	3	82
1896.....	7	9	5	.....	9	12	3	45
1897.....	16	13	4	.....	6	15	.....	54
1898.....	6	19	2	.....	7	8	.....	42
1899.....	25	20	5	.....	7	18	.....	75
Total .....	172	296	108	354	29	223	39	1,221

TABLE H.—Certificates awarded for Extra Subjects from 1885 to 1899.

Year.	Drawing from the antique.	Shading from casts.	Architectural designs.	Drawing from life.	Painting from life.	Painting oil colors.	Painting water colors.	Sepia.	Monochrome.	Pastel.	Sculpture in marble.	Photogravure.	Reposse work.	Industrial design.	Pen and ink.	Machine drawing.	Engraving on copper.	Crayon portraits.	Total.
1885.						9	7												16
1886.						12	7												19
1887.				7		32	9												50
1888.				15	12	25	14	13	1										84
1889.				12	8	16	21	3	2										62
1890.				7	4	23	18	10	4										71
1891.				4	5	29	26	3	6										73
1892.				2	6	21	16	7	1									2	55
1893.	11		2	5	9	35	21	7	4										94
1894.	11		2	8	6	29	16	5	7					10		1			95
1895.	26		6	14	4	39	24	10	1					17		5	1		147
1896.	14			12	6	34	38	6	1	2			1	13	1	1			129
1897.	19	11	1	17	6	38	42	7	3	3		3		22	3	4			179
1898.	22	12		12	9	37	28	7	6	6	1	6		15	4	6			171
1899.	19	14		17	2	10	22	8	1	4		3		31	13	5			149
Total.	122	37	11	132	77	394	309	86	37	15	3	13	4	108	21	22	1	2	1,394

TABLES I to M.—Show the number of certificate awarded to Art Schools in 1899.

TABLE I.—Certificates Awarded to Art Schools, 1899.—Primary Course.

Art Schools.	Number of students for examination.	Number of proficiency certificates.						Number of Teachers' Certificates.	Grants for Certificates.
		Freehand.	Geometry	Perspective.	Model.	Blackboard.	Total Proficiency Certificates.		
Hamilton	105	38	15	7	41	31	132	7	\$ 96 00
Kingston	23	8	2	3	7	8	28	2	22 00
London	7	4	5	1	4	4	18	1	9 00
Ottawa	24	4			5	2	11		9 00
St. Thomas	25	6	7	2	9	7	31	2	24 00
Toronto	44	23	8	8	24	24	87	2	63 00
Total	228	83	37	21	90	76	307	14	223 00

TABLE J.—Certificates Awarded to Art Schools, 1899.—Advanced Course.

Art Schools.	Number of students for examination.	Number of proficiency certificates.						Number of Teachers' Certificates.	Grants for Certificates.
		Shading from Flat.	Outline from Round.	Shading from Round.	Drawing from Flowers.	Industrial design.	Total Proficiency Certificates.		
Hamilton .....	95	10	13	30	27	4	84	5	\$ c.
Kingston .....	12	...	1	4	5	1	11	1	73 00
London .....	8	1	...	...	3	3	7	...	11 00
Ottawa .....	11	1	2	3	7	3	15	...	7 00
St. Thomas .....	29	4	2	5	4	3	18	...	12 00
Toronto .....	57	11	22	25	28	6	92	3	17 00
Total .....	212	27	40	66	74	20	227	9	71 00

TABLE K —Certificates Awarded to Art Schools, 1899.—Mechanical Course.

Art Schools.	Number of students for examination.	Number of proficiency certificates.					Total Proficiency Certificates.	Grants for Certificates.
		Advanced Geometry.	Machine Drawing	Building Construction.	Architectural Design.	Advanced Perspective.		
Hamilton .....	25	4	1	1	1	4	11	\$ c.
Kingston .....	11	1	...	...	...	...	1	9 00
London .....	4	...	3	...	...	...	3	1 00
Ottawa .....	6	...	1	1	1	...	3	3 00
St. Thomas .....	18	4	5	2	2	1	14	3 00
Toronto .....	7	5	...	...	...	5	10	12 00
Total .....	71	14	10	4	4	10	42	5 00

TABLE L.—Certificates Awarded to Art Schools, 1899.—Industrial Art Course.

Art Schools.	Number of proficiency certificates.				Total Proficiency Certificates.	Grants for Certificates.
	Modeling in Clay	Wood Carving.	Lithography.	Painting on China.		
Hamilton .....	5	1	1	1	8	\$ c.
Kingston .....	1	...	...	...	2	7 00
Ottawa .....	1	...	...	...	1	2 00
St. Thomas .....	...	3	...	...	3	1 00
Toronto .....	...	...	1	...	1	3 00
Total .....	8	4	2	1	15	1 00



TABLE M.—Certificates Awarded to Art Schools, 1899.—Extra Subjects.

Art Schools.	Number of students for examination.	Number of proficiency certificates.												
		Painting from Life.	Painting Oil Colors.	Painting Water Colors.	Monochrome.	Sepia.	Drawing from Life.	Pen and Ink Sketches.	Shading from Antique.	Shading from Casts.	Industrial Design	Machine Drawing.	Drawings for Photogravures.	Total.
Hamilton .....	36	...	...	3	...	8	...	1	7	4	4	3	2	32
Ottawa .....	20	...	1	1	...	...	3	...	2	2	11	1	...	21
St. Thomas .....	20	...	...	...	...	...	...	...	...	...	2	...	...	2
Toronto .....	36	2	2	1	1	...	7	5	10	6	4	...	1	39
Total .....	112	2	3	5	1	8	10	6	19	12	21	4	3	94

TABLES N and O.—Show the number of certificates awarded to Public Libraries in 1899.

TABLE N.—Certificates Awarded to Public Libraries in 1899.—Primary Course.

Public Libraries.	Number of students for examination.	Number of proficiency certificates.					Total Proficiency Certificates.
		Freehand.	Geometry.	Perspective.	Model.	Blackboard.	
Galt .....	3	1	...	...	1	...	2
	3	1	...	...	1	...	2

TABLE O.—Certificates Awarded to Public Libraries in 1899.—Mechanical Course.

Public Libraries.	Number of students for examination.	Number of proficiency certificates.					Total Proficiency Certificates.
		Advanced Geometry.	Machine Drawing.	Building Construction.	Architectural Design.	Advanced Perspective.	
Galt .....	11	...	2	...	...	...	2
Peterboro .....	13	...	5	...	...	...	5
	24	...	7	...	...	...	7

TABLES P to T, show the number of Certificates awarded to Public and High Schools, Ladies Colleges, &c., in 1899.

TABLE P.—Certificates Awarded to Public and High Schools, Ladies' Colleges, etc., 1899.—Primary Course.

Name.	Number of students for examination.	Number of proficiency certificates taken.						Number of Teachers' Certificates.
		Freehand.	Geometry.	Perspective.	Model.	Blackboard.	Total Proficiency Certificates.	
Athens High School .....	84	22	28	.....	43	50	143	1
Arthur " .....	1	.....	1	1	1	1	4	.....
Beaverton Public School .....	17	9	1	.....	13	13	36	.....
Belleville Albert College .....	16	6	1	.....	8	9	24	.....
" High School .....	47	14	1	.....	25	25	65	.....
" Loretto Academy .....	42	12	6	2	13	9	42	2
Bloomfield Public School .....	26	12	7	.....	4	17	40	.....
Bridgeburg " .....	1	.....	.....	1	.....	.....	1	.....
Brockville Collegiate Institute ..	93	57	7	8	71	56	199	3
Deseronto High School .....	26	7	9	.....	13	9	38	.....
Dundas " .....	38	26	.....	.....	19	18	63	.....
Forest " .....	32	11	3	.....	12	12	38	2
Hamilton Collegiate Institute ..	120	73	.....	.....	71	65	209	.....
" Queen Victoria School ..	43	20	29	12	18	23	102	11
" Ryerson School .....	39	28	27	21	22	28	126	18
Ingersoll Collegiate Institute ..	56	18	4	.....	17	27	66	.....
London " .....	94	46	.....	.....	56	54	156	.....
Markham High School .....	107	34	35	15	30	36	150	19
Meaford " .....	29	13	10	.....	12	15	50	1
Morrisburg Collegiate Institute ..	68	17	28	3	21	23	92	3
" Public School .....	24	6	2	.....	7	8	23	.....
Niagara Falls Loretto Academy ..	22	7	3	3	4	6	23	3
Norwood High School .....	1	1	1	1	1	1	5	1
Oshawa " .....	71	35	9	.....	31	29	104	.....
Ottawa Presbyterian Ladies' Coll.	8	8	.....	.....	3	.....	11	.....
" Technical School .....	28	12	.....	.....	15	11	38	.....
Owen Sound Collegiate Institute ..	99	55	58	20	65	53	251	15
Parkdale Public School .....	7	6	.....	1	5	5	17	1
Parkhill High School .....	14	2	.....	.....	7	7	16	.....
Perth Collegiate Institute .....	54	38	.....	1	39	36	114	.....
Peterboro' High School .....	1	1	1	1	1	1	5	1
Pictou " .....	84	41	45	25	31	53	195	19
Port Dover " .....	26	11	.....	.....	18	19	48	.....
Ridgetown Collegiate Institute ..	3	1	1	1	1	1	5	.....
Streetsville High School .....	15	12	.....	.....	15	12	39	.....
Stratford Loretto Convent .....	38	26	5	2	29	27	89	1
St. Thomas Alma College .....	35	27	5	1	2	4	39	.....
Thorold, High School .....	1	.....	.....	.....	1	1	2	.....
Toronto, Dawson St. P. School ..	17	6	4	.....	9	8	27	.....
" Harbord St. Coll. Inst. ..	54	38	.....	.....	42	41	121	1
" Loretto Abbey .....	109	31	15	6	39	52	143	3
" Academy .....	28	5	8	.....	9	7	29	.....
" High School .....	33	16	1	3	11	29	60	7
" Met. School of Music ..	6	.....	.....	.....	1	4	5	1
" St. Joseph's Convent ..	56	28	12	5	21	27	93	7
Tottenham Public School .....	1	1	1	1	1	1	5	1
Uxbridge High School .....	23	14	5	.....	16	17	52	.....
Wallaceburg Public School .....	50	29	.....	1	27	25	82	2
Watford " .....	1	.....	.....	1	.....	.....	1	.....
Whitby Collegiate Institute .....	61	20	21	.....	33	39	113	1
Williamstown High School .....	26	4	.....	.....	7	7	18	.....
Windsor Collegiate Institute .....	114	45	33	10	46	42	176	7
Woodstock " .....	68	27	1	1	31	31	91	.....
	2,170	978	428	147	1,037	1,094	3,634	131

TABLE Q.—Certificates Awarded to High Schools, Ladies' Colleges, etc., 1899.—  
Advanced Course.

Name.	Number of students for examination.	Number of proficiency certificates taken.					Number of teachers' certificates.
		Shading from flat.	Outline from round.	Shading from round.	Drawing from flowers . . . . .	Industrial design.	
Belleville Albert College . . . . .	9	1		1	6		10
“ High School . . . . .	48	2		12	7		21
“ Loretto Academy . . . . .	37	4	1	5	6	4	20
Niagara Falls do . . . . .	17	1		6	2	4	13
Ottawa Presbyterian Ladies' College. . . . .	2	1		1			2
“ Technical School . . . . .	22	5	5	7	17	5	39
St. Thomas Alma College . . . . .	7	2	2	2	3	3	12
Stratford Loretto Convent . . . . .	18	6	3	13	12	7	41
Toronto “ Abbey . . . . .	96	9	15	32	24	11	91
“ “ Academy . . . . .	19			6	1		7
“ Metropolitan School of Music . . . . .	6				4		4
Whitby Collegiate Institute . . . . .	5	2		1	2		5
Windsor “ “ . . . . .	4	1	3		2	1	7
Total . . . . .	290	34	29	86	86	37	272

TABLE R.—Certificates Awarded to Public Schools, High Schools, etc., 1899.—  
Mechanical Course.

Name.	Number of students for examination.	Number of proficiency certificates taken.					Total proficiency certificates.
		Advanced Geometry.	Machine drawing.	Building construction.	Architectural design.	Advanced perspective.	
Arthur High School . . . . .	1	1				1	2
Bridgeburg Public School . . . . .	1	1				1	2
Charing Cross “ . . . . .	1	1				1	2
Cornwall High School . . . . .	1						
Forest “ . . . . .	1	1				1	2
Ingersoll Collegiate Institute . . . . .	2						
Markham High School . . . . .	4						
Morrisburg Collegiate Institute . . . . .	1						
Norwood High School . . . . .	1	1				1	2
Ottawa Technical School . . . . .	12		2	1	3		6
Perth Collegiate Institute . . . . .	1						
Peterboro High School . . . . .	1	1					1
Ridgetown Collegiate Institute . . . . .	4	1					1
Thorold High School . . . . .	1	1				1	2
Tottenham Public School . . . . .	1	1				1	2
Watford “ . . . . .	1	1					1
Whitby Collegiate Institute . . . . .	1		1				1
Windsor “ “ . . . . .	3	1				1	2
Total . . . . .	38	11	3	1	3	8	26



TABLE S.—Certificates Awarded to Ladies' Colleges etc., in 1899—Industrial Art Course.

Name.	Number of Students.	Wood Carving.	Modelling in clay.	China Painting.	Total.
Ottawa Technical School.....	10	10	.....	.....	10
St. Thomas Alma College.....	1	.....	1	.....	1
Toronto Loretto Abbey.....	16	.....	.....	16	16
Total.....	27	10	1	16	27

TABLE T.—Certificates awarded to Ladies' Colleges, etc., 1899.—Extra subjects,

Name.	Number of students for examination.	Number of certificates taken.							Total.
		Painting, oil colors.	Painting, water colors.	Industrial design.	Drawing from life.	Pen and ink sketches.	Pastel.	Shading from casts.	
Belleville, Albert College.....	7	2	5	1	.....	.....	.....	.....	8
" High School.....	8	.....	.....	.....	.....	.....	.....	.....	3
Ottawa, Presbyterian Ladies College.....	3	1	2	3	.....	.....	.....	.....	3
" Technical School.....	29	.....	.....	5	7	7	.....	1	21
St. Thomas, Alma College.....	11	3	5	.....	.....	.....	4	.....	12
Toronto, Loretto Abbey.....	13	.....	4	.....	.....	.....	.....	.....	4
Whitby, Collegiate Institute.....	2	1	1	1	.....	.....	.....	1	4
	73	7	17	10	7	7	4	2	55

## TEACHERS' FULL CERTIFICATES.

The following full certificates in the Primary and Advanced Courses were awarded in 1899.

## 1. TEACHERS' FULL CERTIFICATES PRIMARY COURSE.

Name.	Address.	Name.	Address.
<i>Males.</i>		<i>Males.</i>	
Aberhart, Williams.....	Hamilton.	Powell, Herbert.....	Hamilton.
Baines, Chas. R.....	Hamilton.	Reesor, Bert.....	Markham.
Baker, Godfrey.....	Kingston.	Richards, N.....	Windsor.
Blanchard, Alex.....		Richardson, Earl A.....	Aylmer.
Brace, Wm.....	Markham.	Robb, Wesley.....	Morrisburgh.
Carmichael, Duncan.....	Markham.	Robbins, Walter.....	Markham.
Casselman, Riley.....	Morrisburgh.	Runions, J. E.....	Morrisburgh.
Chagnon, Ernest.....	Hamilton.	Russel, P. W.....	Parkhill.
Cloes, Chester.....	Aylmer.	Sanders, Edwin G.....	Markham.
Dalton, Hugh.....	Brockville.	Snowden, H. A.....	Norwood.
Dandy, Wm. P.....	Toronto.	Sullivan, H.....	Windsor.
Davis, George.....	Aylmer.	Taylor, L. W.....	Tottenham.
Dobbie, John A.....	Hamilton.	Thorndyke, Russell.....	Whitby.
Dobson, Wm.....	Picton.	Tomlinson, J.....	Markham.
Duck, George.....	Windsor.	Trimble, Lorne.....	Hamilton.
Edgar, Walter.....	Owen Sound.	Weeks, Fred.....	Picton.
Ewens, Sidney W.....	" "	Welland, Fred.....	Markham.
Foster, Walter.....	Markham.	White, Arthur.....	"
Gallagher, Wilbert.....	Picton.	Williams, Walter.....	Hamilton.
Goodwin, Joseph.....	Harriston.	Williamson, Percy.....	Picton.
Hess, Leon.....	Picton.	Wilson, Wm.....	Whitby.
Huff, Samuel.....	Meaford.	<i>Females.</i>	
Jamieson, Jno. W.....	Hamilton.	Aiton, Aggie.....	Markham.
Johnson, R. W.....	St. Thomas.	Austin, Mazie.....	Hamilton.
Jolliffe, Norman.....	Picton.	Balfour, Constance.....	Hamilton.
Kilbourn, Fred B.....	Owen Sound.	Barker, Muriel.....	Picton.
Lapine, Ernest.....	Windsor.	Bartlet, Bessie.....	Windsor.
Leavens, Ralph.....	Picton.	Bell, Gertrude.....	Toronto.
Leavitt, Jas.....	Picton.	Boyd, F.....	Toronto.
Linklater, Wm. A.....	Hamilton.	Burns, Carrie.....	Wallaceburg.
Liston, John.....	Brockville.	Callahan, May.....	Toronto.
Luton, George.....	Aylmer.	Campton, Lottie.....	"
Mathews, Stanley W.....	Peterboro.	Christie, Katie C.....	Owen Sound.
Moore, Edgar.....	Markham.	Clark, Evalene.....	Picton.
Morden, Garnet.....	Picton.	Clark, Mary E.....	Owen Sound.
McDonald, Claude.....	"	Clark, Maggie.....	Meaford.
McGillivray, Jno.....	"	Cookwell, Allie.....	Whitby.
McKeown, Jno.....	Hamilton.	Cookwell, Lottie.....	"
Norris, James.....	Owen Sound.	Counsell, Emma.....	Hamilton.
North, Sparling.....	Hamilton.	Cushen, A.....	"
Orr, Vernon.....	Hamilton.	Da'y, Alice.....	Toronto.
Parks, Wm.....	Markham.	Davis, Nellie.....	Belleville.
Paterson, Chas.....	Hamilton.	Downes, Annie.....	"
Pepper, Samuel.....	Forest.	Dowrie, Maude.....	Hamilton.
		Dutton, Mabel.....	Toronto.
		Eaton, Alice.....	Hamilton.
		Evans, Lillian.....	Windsor.

## TEACHERS' FULL CERTIFICATES.—PRIMARY COURSE.

Name.	Address.	Name.	Address.
<i>Females.</i>		<i>Females.</i>	
Fitzsimmons, Edna.....	Hamilton.	McKeown, Grace.....	Hamilton.
Flanagan, Kate.....	Toronto.	McPherson, Ethel.....	"
Flanagan, L.....	Niagara Falls.	McQueston, Ruby.....	"
Fleming, Ruth E. J.....	Owen Sound.	Noble, Josephine.....	Toronto.
Forfar, Jennie.....	Markham.	O'Brien, Amanda L.....	London.
Formosa, M.....	Niagara Falls.	O'Malley, Mamie.....	Toronto.
Fraser, Anna C.....	Toronto.	Owen, Dora.....	Picton.
Fraser, Margaret S.....	Hamilton.	Phillips, Geraldine.....	Toronto.
Gammil, Jennie.....	Hamilton.	Phipps, Beatrice N.....	Owen Sound.
Griffiths, Ada.....	London.	Power, Mabel.....	Wallaceburg.
Hall, Anna.....	Athens.	Pumpey, Marie.....	Hamilton.
Harvey, Lillian.....	Hamilton.	Rich, Dora.....	Markham.
Heck, Helen.....	Toronto.	Robinson, Maude.....	"
Heck, Josephine.....	"	Robinson, Pearl.....	Toronto.
Henderson, Edith.....	Hamilton.	Row, Lillian.....	Brockville.
Herron, Ethel.....	Markham.	Saunders, Georgie.....	Whitby.
Hewitt, M. C.....	Stratford.	Seaman, Annie L.....	Owen Sound.
Holman, Minnie.....	Hamilton.	Shannon, Mabel.....	Picton.
Horne, Lena.....	Whitby.	Shaw, Helen.....	Owen Sound.
Johnstone, Lillie W.....	Hamilton.	Smith, Edith.....	Hamilton.
King, Minna.....	Toronto.	Smith, Emma.....	"
Kirk, B.....	"	Smith, J.....	Niagara Falls.
Kitchen, Alice.....	Hamilton.	Stevenson, Daisy.....	Markham.
La Ferte, Rose.....	Windsor.	Stewart, Grace.....	Hamilton.
Lane, Edith.....	Toronto.	Thompson, Addie.....	Picton.
Lampman, Annie E.....	Toronto.	Toye, Hannah.....	Hamilton.
Lawson, Ethel.....	Owen Sound.	Urlocker, Mary.....	Toronto.
Lediard, Ella.....	Owen Sound.	Walker, Abbie.....	Markham.
Little, Ethel.....	Hamilton.	Whyte, Evelyn.....	Hamilton.
Lush, Jane.....	St. Thomas.	Wilbanke, Lucy.....	Picton.
Matthews, Nano.....	Toronto.	Wright, Lily.....	"
Marathon, Annie.....	Orangeville.	Wright, Nina.....	"
MacLennan, Jessie C.....	Owen Sound.	Wyman, Caro.....	Toronto.
MacLennan, Kate.....	"	Wyman, Loraine.....	"
McComb, Vina.....	Whitby.		
McFadden, Maude.....	Hamilton.		

## TEACHERS' FULL CERTIFICATES.—ADVANCED COURSE.

Name.	Address.	Name.	Address.
Adams, Vivian.....	Belleville.	Kirk, B.....	Toronto.
Barnhart, Miss.....	Toronto.	Kirkpatrick, Ella.....	Kingston.
Boyd, F.....	"	Lampman, Annie E.....	Toronto.
Collins, Fred L.....	Hamilton.	Michie, Melo.....	Stratford.
Downs, Sarah.....	Belleville.	Paterson, David.....	Hamilton.
Gorman, Tessie.....	Stratford.	Philp, Violet Ethel.....	"
Griffith, Ada.....	London.	Rondot, Eugene.....	Windsor.
Griffith, Florence.....	Hamilton.	Smyth, Margaret.....	Toronto.
Hewitt, M. C.....	Stratford.	Stephenson, Roy.....	Whitby.
Jacks, Lillian.....	Toronto.	Tuddicombe, A.....	Toronto.
Johnson, Sidney B.....	Ottawa.	Wells, Anna A.....	Stratford.



### GOLD, SILVER AND BRONZE MEDALS AWARDED IN 1899.

The following medals and special certificates were awarded for the year ending 30th April, 1899.

#### *Gold Medal.*

Presented by the Minister of Education for Advanced Course :—Original Industrial designs and drawings from the antique, H. A. Sloan, Toronto Art School.

#### *Silver Medal and Certificate.*

Presented by the Minister of Education for the best original industrial design, Gertrude Aitcheson, Ottawa Technical School.

#### *Silver Medal and Certificate.*

Presented by the Minister of Education for the best Machine Drawing from models, Robert A. Wallace, Hamilton Art School.

#### *Silver Medal and Certificate.*

Presented by the Minister of Education for the best original drawings in building construction or architecture, Walter Scott, Hamilton Art School.

#### *Bronze Medals.*

For the best painting from life, Mrs. Hime, Toronto Art School.

For the best drawing from life, E. Fosbery, Ottawa Art School.

For the best specimen of china painting, M. Sheedy, Loretto Abbey, Toronto.

For the best specimen of wood carving, L. Perina, Technical School, Ottawa.

For the best specimen of lithography, Frank Kelly, Toronto Art School.

For the best specimen of pen and ink drawing, N. McKechnie, Toronto Art School.

For the best specimen of modeling in clay, G. Gillelan, Ottawa Art School.

For the highest number of marks in Primary Drawing Course, (Art Schools and Ladies' Colleges), R. W. Johnston, St. Thomas Art School,

For the highest number of marks in Primary Drawing course, (High Schools and Collegiate Institutions), John Liston, Brockville Collegiate Institute.

For the highest number of marks in Primary Drawing Course, (Public Schools), Sparling North, Ryerson School Hamilton.

### EXAMINATION PAPERS.

The total number of examination papers sent out this year was as follows :

#### *Primary Course*

Freehand .....	1,986
Geometry .....	1,040
Perspective .....	887
Model Drawing .....	1,941
Blackboard Drawing .....	2,088

7,892

*Advanced Course.*

Shading, flat.....	187
Outline, round.....	180
Shading, round.....	345
Flower drawing.....	305
Industrial design.....	151
Competition for gold medal.....	5
	<hr/> 1,173

*Mechanical Course.*

Advanced Geometry.....	92
Machine Drawing.....	91
Building Construction.....	52
Architectural Design.....	19
Advanced perspective.....	79
	<hr/> 333
Total.....	<hr/> 9,398

## ART SCHOOLS, ETC.—REPORTS FOR 1898 99.

1. *The Report of the Hamilton Art School for the year ending the 30th of April, 1899*, shows that 198 students took the regular course of study during the year. The total number of attendance registered is 8,249.

In addition to the instruction given in all grades to students residing in the city of Hamilton, students from six other towns in the Province participated in the advantages derived from the Hamilton Art School.

As the fees \$2.50 for 20 lessons was thought to be more than apprentices and young people could afford to pay, the Directors decided to reduce the amount to \$1.00 for 20 lessons, the result was an increased attendance and although there was a slight decrease of income the benefit derived by the students more than counterbalanced the pecuniary loss.

The teaching staff is the same as last year, Mr. S. J. Ireland, Principal, with six assistants.

The equipment of the school has been increased to meet its requirements during the year.

The receipts including the Government Grant, \$2,953 72; expenditure, \$2,953.72.

2. *The Report of the Kingston Art School for the year ending 30th April, 1899*, shows that the school was removed to a more commodious and central position since the last report; the new rooms are furnished with modern appliances which has been the means of increasing the attendance to 40 students in the day classes, and 20 students in the evening classes.

The following trades, etc. were represented, viz.—Accountants, blacksmiths, carpenters, millers, machinists, students, teachers, etc.

In addition to the four courses prescribed by the Education Department, painting in oil and water colors were taught.

The receipts, including Government Grant, were \$626.20; expenditure, \$626.20.

3. *The Report of the London Art School for the year ending 30th April, 1899*, shows that owing to the death of Mr. John Griffiths, the late lamented principal, who had been one of the main supporters of the school since 1878, it was found necessary temporarily to

close the school, so as to engage a new principal, consequently there is a decrease in the number of students. The report shows 53 students in the primary course, 23 in the advanced course and 17 in the mechanical course.

The receipts including Government Grant were \$972.14; expenditure, \$969.96; balance, \$2.18.

4. *The Report of the Ottawa Art School for the year ending the 30th April, 1899*, shows that for the purpose of teaching decorative design, the directors engaged at considerable expense a special instructor, certificated by the New York School of Applied Design for Women, whose work they say has been of a highly satisfactory character.

The report shows 37 students in the primary course, 26 in the advanced course, 12 in the mechanical course, 3 in the industrial art course and 18 in oil and water color painting.

The receipts, including Government Grant were, \$1,813.70; expenditure, \$1,529.50.

5. *The Report of the St. Thomas Art School for the year ending 30th April, 1899*, shows that 27 students attended the primary course, 29 the advanced course, 30 the mechanical course and 16 the industrial art course.

The students in attendance represented the following trades and professions—carpenters, clerks, electricians, machinists, millers, painters, students, teachers, etc.

This School is incorporated with the St. Thomas Free Library, which contributes to its maintenance. The receipts and expenditure are included in the Annual Report of the St. Thomas Free Library.

6. *The Report of the Toronto Art School for the year ending 30th of April, 1899*, shows that 87 students attended the first term, September, 1898, to 3rd December, 1898; 112 students attended the second term, which commenced on the 5th December, 1898, and ended on 18th February, 1899; 110 students attended the third term, which commenced on the 20th February and ended on the 27th April, 1899.

The total number of students for the whole session was 105 males and 55 females; total 160.

The sessional work from this School sent for examination to the Education Department was very successful. The Gold Medal was awarded to an employee of the Grip Publishing Company; the Silver Medal, for Industrial Design, was awarded to an employee of the Heintzman Piano Factory; Medal for Painting to Miss Hillyard, who is now studying abroad; Medal for Drawing from Life to an employee of the Toronto Photo-Engraving Co., and Medal for Lithography to an employee of the Toronto Lithographic Co.

A large number of new casts for the use of the School have been purchased during the past year, which it is hoped will bring the School to a still higher state of efficiency.

The receipts, including Government grant, were \$2,574.01; expenditure, \$2,512.06; balance on hand, \$61.95.

7. *The Report of the Ontario Society of Artists for the year ending 30th of April, 1899*, shows that at the Industrial Exhibition held in Toronto in 1899, 317 pictures were exhibited.—The 27th Annual Exhibition of the Society held this year was very successful and well patronized.

The following is the list of paintings purchased by the Provincial Government during the past year, also the two works selected by the Society for the Provincial Art Gallery.

*Selected by the Education Department.*

Road through the Beeches, T. Mower Martin; After the Shower, J. T. Rolph; St. Bernard, W. A. Sherwood; The Stour flowing through Canterbury, C. M. Manly; Hum-ber River, J. T. Rolph; Jeanne, Miss S. S. Tully; Fine Weather, R. F. Gagen; Westminster Bridge, F. M. Bell-Smith; A Surrey Heath, Miss G. E. Spurr; The Fringe of the Lake, R. F. Gagen; Early Summer, C. M. Manly; Tops of Mt. Stephen, M. Matthews; Farm, St. Lawrence River, A. P. Coleman; The Coast of Dorset, W. Cutts.



*Selected by the Ontario Society of Artists.*

When the Tide is Low, R. F. Gagen ; A Quiet Pool, W. D. Blatchly.

The receipts, including Government grant, were \$4,877.92 ; expenditure, \$2,886.07 balance, \$1,991.85.

8. *Provincial Art Gallery.* In 1895 the Act made provision that out of the Government grant of \$500 to the Ontario Society of Artists, the Society shall purchase two pictures annually to the value of \$200 from the Society's exhibitors, the said pictures to become the property of the Education Department as a nucleus for the establishment of a permanent Provincial Art Gallery. In 1897 the Minister of Education entered into an agreement with the Society, that provided it would keep one of the large galleries in the Educational Museum filled with the recent works of its members, that pictures would be purchased annually for the Ontario Government and the Provincial Art Gallery, to the value of \$800.00.

9. *Provincial Art Schools Exhibitions.* An Industrial Art Exhibition, consisting of specimens of the sessional work sent by Art Schools, etc., to the Education Department in May for competition for medals and certificates awarded at the Annual Departmental Examination, was held on 6th June at the Toronto Board of Trade Buildings, when representatives of Boards of Trade throughout the Dominion met together to discuss the importance of providing technical education for our people.

The exhibition consisted of industrial designs, architectural plans and designs, machine drawings, lithography, modeling in clay, painting on china, pen and ink sketches, wood carving, drawings for photogravures, etc.

A second Art Exhibition was held in connection with the Women's Historical Exhibition at Victoria University on 14th June. The specimens exhibited consisted of drawings from the antique, and casts, outlines from the round, sepias, monochromes, pastels, oil and water color paintings, drawings from life, architectural plans and designs, lithography, drawings for photogravures, pen and ink sketches, wood carving, modeling in clay, painting on china, etc.

10. *School Art Leagues.* Within the past three years great interest has been taken by teachers and parents in the establishment of School Art Leagues, for the purpose of improving the architecture of our schools, and decorating the school rooms so as to surround our children with examples which will develop a taste for the beautiful in nature and art.

Several of the Public Schools in Toronto have formed Art Leagues, and are giving popular lectures, exhibitions and entertainments, which are largely attended and greatly appreciated by the public.

The following is an inaugural address recently given in the Sherbourne Street Methodist School Room, Toronto. by Dr. S. P. May, President of the Dufferin School Art League.

INAUGURAL ADDRESS GIVEN BY DR. S. P. MAY, O. L. H., SUPERINTENDENT OF ART SCHOOLS, TO THE OFFICERS AND MEMBERS OF THE DUFFERIN ART SCHOOL LEAGUE, ON THE 14TH DECEMBER, 1899.

As President of the Dufferin School Art League, it is my privilege to deliver the inaugural address, which I have divided into three principal headings.

1. The establishment of School Art Leagues in Toronto.
2. A history of the progress of School Architecture and the decoration of School rooms in this Province.
3. An Historical Sketch, showing the importance of Art Education in our manufactures, also its progress in this Province.

### 1. THE ESTABLISHMENT OF SCHOOL ART LEAGUES IN TORONTO.

At the opening of the Rosedale Public School in 1896, where Inspector James L. Hughes referred to the advantages of Art Education and the importance of School-room decoration, his remarks induced some of the ladies present to establish a School Art League. These ladies are entitled to the post of honor as having organized the first School Art League in this Dominion; subsequently, no doubt inspired and encouraged by Mr. Hughes, they proposed a scheme for the formation of other School Art Leagues, and decided to consult with the Ontario Society of Artists, to ask its co-operation in the appointment of an Advisory Board for School Art Leagues in this city.

A conference was held in the Rosedale School in December, 1898, when it was decided to invite the Ontario Society of Artists to take the initiative in the appointment of an Advisory Board. At a subsequent meeting held at the Education Department, five ex-officio members were appointed, also six representatives of the Ontario Society of Artists, six representatives of the Toronto Guild of Civic Art, and three representatives from the Women's Art Association of Canada. I consider that the appointment of a good Advisory Board is most judicious, for we all know that one of the greatest obstacles to the advancement of the Fine Arts is the ignorance of many persons, who, because they can afford to purchase a few pictures, would lead you to suppose that they are Art critics; they may have a vast vocabulary of high-sounding phrases, but they cannot accurately describe the difference between a good or bad painting or design; they are self-conceited, and will try to make you believe that it requires a special inspiration and education to become the great authorities they profess to be; although they know, or ought to know, that every man, woman and child has an innate or infinite love for the beautiful, both in nature and art.

In the prehistoric period, which is said by scientific men to antedate the historic period by hundreds of thousands of years, men and women made ornaments and wore them. In Europe and Asia prehistoric remains have been found showing that primeval man engraved and carved figures of animals on bone and stone in the Palaeolithic or first stone age, before mammoth animals became extinct; also of the Neolithic or second stone age, when the bones of living animals were mixed with the weapons and implements of bone and stone made by man; also in the bronze period, when metals had been discovered, and civilization had further advanced, Archaeologists claim that specimens of jewellery, embroidery, modeling and carving manufactured in the earliest ages, have been discovered, which are equal, if not superior, in design and beauty, to similar productions of the present age. It has been well said that, "as the flower precedes the fruit, so decorative Art is developed in a race before it attains proficiency in the practical," therefore I claim that every person, whether rich or poor, inherits a taste for decoration and color, and whatever is beautiful.

The Advisory Board has compiled a pamphlet in which it shows the aim of School Art Leagues. The principal aims are to improve the architecture of schools, to decorate the school-rooms, to provide Art reproductions of paintings, engravings, sculpture, etc., and to encourage the artistic development and taste of our people, which it is maintained will add to the wealth of our country.

I heartily approve of the scheme proposed, and I believe that School Art Leagues will be an important adjunct to our educational system. It is my opinion that as school buildings are erected and paid for from the taxation of the people, it is only fair that the interior decorations should be paid for from individual contributions, and I congratulate the ladies of School Art Leagues on the noble work they have undertaken which I feel confident will be successful and be the means of bringing parents and teachers more in contact with each other, and eventually develop a greater sympathy and love between parents, teachers and pupils.



## 2. A HISTORY OF THE PROGRESS OF SCHOOL ARCHITECTURE AND THE DECORATION OF SCHOOL ROOMS IN THE CITY.

It is not generally known, and I presume that even some members of the Advisory Board for School Art Leagues are not aware, that fifty years ago the Education Department supplied architectural plans for the erection of school houses. The late Chief Superintendent of Education, the Rev. Dr. Ryerson, the founder of the public school system, whose memory we all revere, and whose name will be handed down to posterity as a great Canadian educationist, philanthropist and true Christian, was the first man in Canada to direct public attention to the importance of school architecture.

It was through his exertions that in 1850 Parliament voted the sum of £200 per annum for purchasing plans, engravings, etc., for the improvement of school architecture; these plans were published and distributed from time to time through the *Upper Canada Journal of Education*, and eventually school trustees made so many applications for specifications for erecting school buildings, that it became necessary for a book to be published on this subject.

In 1857 Dr. Hodgins, then Deputy Superintendent of Education, published under the authority of the Chief Superintendent, the "School House," its architecture, external and internal arrangements. This book was profusely illustrated with engravings of elevations and plans for school buildings, and was of great value in awakening an interest in school architecture, for as some of us remember, at that time we had a large number of log school houses, and the trustees of rural schools seemed satisfied that so long as they could afford shelter for the school children, they need make no attempt to make the school attractive to the pupils; they considered learning to be a good thing, and approved of children attending school, but they did not care about external architectural beauty, nor the external decoration of school rooms.

In 1859, two years after the publication of "The School House," the grant for school architecture was increased to \$800.00 per annum.

In 1872 the Education Department offered prizes to Inspectors and Teachers for the best architectural designs and plans for rural school houses. Thirty persons competed, and seventeen awards were made to the value of \$230.00; seven prizes were taken by school inspectors, and ten by school teachers.

In 1876 a new edition of the "School House," with illustrated papers on School Hygiene and and Ventilation, was published by Dr. Hodgins. I consider that a proper attention to Light, Heat and Ventilation is of more importance than external decorations in the construction of school buildings. If school rooms are not well ventilated and lighted, most injurious effects are produced on the mental development and physical health of children which are often felt in after life. It is a well known hygienic fact that if a child breathes foul air, he is in a state of physical discomfort; consequently in his indiscriminating mind the feelings of pain and lassitude are associated with school, and cause a dislike for books and study.

The ill health of pupils and teachers, sometimes credited to overwork, is frequently due to draughts and foul air in the school room.

Another important thing is the arrangement of light in the school room, we frequently find windows on the right of the desks of the pupils, and sometimes on three or four sides of a room; this together with the white walls and interminable blackboards surrounding the children, no doubt produces Myopia or near sightedness; and how frequent it is that we now see school children using spectacles; fifty years ago such a thing was unknown.

In the same year 1876, the Education Department exhibited at the Centennial Exhibition models of school buildings for Collegiate Institutes, Public Schools in cities and towns also for Schools in rural districts, made to a working scale with ground plans and references as to cost of erection, accommodation, etc. At the close of the exhibition these models, which were much sought after by foreign educationists, were divided between the representatives of Japan and the United States. We also exhibited large



framed photographs of Collegiate Institutes, High Schools and Public Schools erected in different parts of this Province.

I may mention that a similar collection of large photographs for the Paris Exposition of 1900 is now being prepared under the authority of the Hon. Mr. Harcourt, Minister of Education.

In 1886, Dr. Hodgins, under the direction of the Hon. Adam Crooks, first Minister of Education, published "Hints and Suggestions on School Architecture and Hygiene," with plans and illustrations, and I may here state that the Education Department is now offering prizes for the best architectural plans for school houses.

In regard to the internal decoration of school houses I may say that from 1851 to 1878 the Educational Depository supplied schools at half cost price with historical and other prints and engravings, which were reproductions of the works of Raphael and other old masters, together with plain and colored engravings by Landseer and other modern painters, also small busts of eminent and celebrated men of ancient and modern times.

The annual reports of the Chief Superintendent and the Ministers of Education show that after good school houses had been erected, internal decoration was not uncommon. I claim, therefore, that the Education Department of this Province took the lead of all other countries in encouraging the decoration of public school walls with pictures, engravings, plaster casts, etc.

It was not until 1880 that France commenced the aesthetic culture of the pupils of common schools. In that year a commission of thirty eminent men were appointed to report on the decoration of schools, and art for schools. This commission was charged with the duty of studying the means of introducing into the system of instruction the aesthetic education of the eye. Its labors extended over a year. In the report it is said "The special task of this commission was to devise means and ways for improving aesthetic education through the eye, not by specific direct instruction set forth in programmes, but by the operation of the environments of the school, and the artistic character of its appliances. These environments and appliances were considered by the commission mainly under four heads: 1. The aesthetic character of the school building, including its artistic ornamentation, both exterior and interior; 2. The furnishing of objects of art for the observation and study of the pupils; 3. The reward of merits; 4. Illustrating apparatus."

Soon after this a Committee was appointed in Manchester, England, with similar functions to those of the French Commission. This was followed by the organization of an association with the same object in view, in London, England, with Mr. Ruskin as President.

In 1883, the Committee on Drawing of the Boston School Board called attention to what had been done in this direction in Manchester and London, and suggested the advisability of organizing a similar association for their schools. In this connection it remarks "we hold with the English Committee that a love for the beautiful is perhaps only second to religion as a protection against the grosser forms of self indulgence, and that it can best be kindled at an age when the mind is specially susceptible to the influence of habitual surroundings."

About the same time our present Premier, the Hon. Dr. Ross, then Minister of Education, introduced mural decoration in the school buildings under government control; the walls of the Toronto and Ottawa Normal Schools were either tinted or papered, and decorated with oil paintings, reproductions of the different ancient and modern Schools of Art, and life size busts of distinguished men of ancient and modern times, thus surrounding the teachers in training with examples of art, and studies of the great and good. The result which followed and will follow we cannot calculate, for we know that in human culture the most potential forces impressed on our minds are produced by our environments; that although these forces are imperceptible and scarcely seem to have existence, they cause an unconscious tuition, an invisible intangible influence on our minds, to which no resistance can be made because its very existence is unnoticed and unknown.

### 3. HISTORICAL SKETCH, SHOWING THE IMPORTANCE OF ART EDUCATION IN OUR MANUFACTURES ; ALSO ITS PROGRESS IN THIS PROVINCE.

In 1850, when the grant for the erection of the Toronto Normal School was voted, one of the conditions was that rooms should be provided for a School of Art and Design ; this was done, but the school was never established.

The Rev. Dr. Ryerson having seen from the results of the Universal Exhibition of 1851, that the Schools of Design in operation at that time were a failure, gave up the project of establishing a school of design, and instead thereof, with the consent of the Government, established the Provincial Educational Museum.

As I propose to show the importance of Art Education and the teaching of Drawing in our schools to manufactures, I may mention that in the beginning of the present century, Great Britain stood pre-eminent in her commerce and manufactures, and exported goods to every civilized country,—France, Germany and Denmark were desirous of getting a share of this trade, and their manufacturers encouraged Industrial Art so as to produce goods which were beautiful and pleasant to the eye.

In 1836 British manufacturers finding that they were losing a portion of their trade, appealed to the Board of Trade in London for assistance. The result was that finally nineteen Schools of Design were established, but this had no more effect in educating millions of people than a drop of water would have in filling a bucket. The grand climax came in 1851, at the first World's Exhibition, where British manufacturers found thousands of exhibits from other countries, superior in design to their own. What did they do ? They did not sit down in despair, but like our brave soldiers in South Africa to-day who have met reverses from overwhelming numbers, with that sturdy perseverance, with that British pluck, determined to conquer or to die, so British manufacturers were resolved to overcome the brief success of other nations.

Soon after this schools for training teachers and mechanics were established and drawing was taught in every school receiving Government aid.

What was the result ? I will tell you. Within five years after school pupils had been taught Industrial Drawing and Evening Classes were organized for teaching drawing to mechanics, a change came over the spirit of the dream. From 1848 to 1856 statistics show that France exported 10 per cent. more goods requiring industrial skill than Britain did. After 1856 the latter took the lead, and recent statistics show that Britain still exports far more industrial products than France.

It was only a few years ago that a Royal Commission was appointed to visit manufacturing cities in Europe and America, to ascertain whether the large sums of money expended for teaching industrial art should be discontinued. The huge report of the Royal Commissioners may be summed up in a single sentence. "If England discontinued her schools of art and practical science, that country would soon lose its prestige as a manufacturing nation," and I say without fear of contradiction that there is no other country in the world that has reaped such advantages from industrial art. By its means she has spread her domain, until that glorious old flag, the Union Jack, follows the sun around the globe, and Britain's commerce and manufactures are carried even beyond her conquest and colonial possessions.

I may remark, *en passant*, that at the great Exhibition of 1851, already referred to, Canada sent a fine collection of exhibits, representing our Mines, Forests and Fisheries, also a few exhibits of Agriculture and Manufactures, but I regret to say that any benefit which could have been derived from the exhibits which were intended to make known the great wealth of our country, was counteracted by the remarks made on our exhibits in the official Catalogue published under the authority of the Royal Commissioners, from which I will read you three extracts :—

1. "Exhibit, pair of snow shoes. These snow shoes are worn by all classes when travelling in the snow. Racing in them is a favorite amusement of both Canadians and Indians during the winter months ; and so indispensable are they that without these shoes the poorer inhabitants would be confined in stormy weather to their homes.



2. "Exhibit, single sleigh with pole and shafts. This sleigh is generally drawn by four horses; sleighing forms the chief and most highly relished amusement of the Canadians during winter. To follow it, all business is suspended, and certainly a more invigorating exercise can scarcely be imagined. It is no uncommon thing to see a score or thirty of these sleighs at one time careering over the frozen snow in the fashionable drives.

3. "Exhibit, barrel of Indian meal. The agriculture of Canada is greatly influenced by the climate, and is necessarily of a peculiar character. During one-half of the year the surface of the country is covered with snow and ice, and thus remains totally unproductive. The farmer is consequently constrained to select such plants or variety of plants for his cultivation as will perfect their growth in the brief summer of the country. The agricultural produce of that colony is generally inferior in quality to that of more favored climates, and the wheat being nearly all spring sown does not command so high a rate in the market."

To return to my subject, I regret that I have not time to give you a description and show you the advantages derived by Canadians from the educational museum; I can only say that for many years it has been well attended and of great service to students.

Now in regard to the progress of Art Education in this Province. In 1856, when the Educational Museum was opened to the public, drawing was placed on the teacher's programme for Public Schools, but was not made compulsory, and for the next twenty years little progress was made in this direction.

In the early part of the year 1876 the Hon. Adam Crooks, Minister of Education, directed me to issue a Circular to the Inspectors and Teachers in this Province, requesting them to send specimens of drawing to be exhibited at the Centennial Exhibition in Philadelphia. Now you will be astonished when I tell you that although at that time we had 475,000 public school pupils, and large number of drawings were sent to the Department, only 70 were selected by the Committee on School work as worthy of being exhibited, 40 from Public School pupils and 30 from Model School pupils, and these were chiefly drawings of the Human Figure, Animals, Flowers and Landscapes, which are studies for Art Schools only.

This was an eventful year in regard to the art education of this Province, for although our educational exhibit as a whole was universally acknowledged to be superior to that of any other country, in drawing we were simply nowhere. The Minister at once saw the necessity of making drawing a more important part of our educational system. The Ontario School of Art in Toronto, which had just been established, was encouraged from time to time by Legislative grants to assist in developing industrial art. At first the progress in decorative art was very slow, but within the past few years has been very successful; some of the former students are now either proprietors or workmen in several large manufactories in Toronto, including lithography, engraving, decorative glass work, etc. New industries have been established and it has been proved that our trained mechanics in industrial art can successfully compete against the skilled workmen of other countries.

In 1878 the Education Department of Ontario made an exhibit in Paris; I was appointed Secretary for the Dominion, and soon after my arrival in Paris, on the recommendation of His Royal Highness the Prince of Wales, I was appointed Juror, representing Great Britain and Her Colonies in Class 8, Superior Education. In this Class we had 14 Jurors, 8 representing France, and 6 representing other countries.

Of course the educational exhibit from Ontario was very small; yet, notwithstanding that France occupied more space for her educational exhibits than all the combined space for the commercial exhibits from Great Britain and her colonies, France nor no other country which exhibited received a larger proportional share of awards and honors for education than the Education Department of Ontario.

In addition to awards of gold, silver and bronze medals and diplomas awarded to Ontario, the decoration of the Palm Leaf was conferred upon the Hon. Adam Crooks, the Rev. Dr. Ryerson, Dr. Hodgins and myself.



These academic honors were not conferred on representatives of Great Britain, nor any of her other colonies, and only two of these decorations were given to the United States.

I may mention that in the same manner as the Emperor Napoleon I. replaced the ancient order of St. Louis by the Cross of the Legion of Honor, he also replaced the ancient order of St. Michael by the Palm Leaves,

In addition, after I had been awarded the Gold Medal as collaborator in obtaining the grand prize for Canada for food products, the decoration of Chevalier of the Legion of Honor was conferred upon me.

In 1878 the London School of Art was established, and the late Mr. John Griffiths, who had been a decorative painter and designer in some of the largest china manufactures in England, introduced China painting; his tuition was so successful that it developed a new trade in London, and for several years a considerable number of women and girls have earned a living by painting on china.

In 1882 the Ontario School of Art was removed to the Education Department, under the management of the Ontario Society of Artists, and myself as Superintendent. I was subsequently directed by the Minister to visit the Art Schools in the United States, and you will pardon me if I give an extract from the Report of the Minister of Education for 1882, in which I refer to the importance of teaching industrial drawing, when I say I consider that it will afford honourable and useful employment to women, and that many will avail themselves of these advantages, and perhaps to whom self-support may be necessary.

I can only say that my opinion in 1882 has proved to be correct, and I could if necessary give you many instances where ladies in reduced circumstances have been enabled to support their families by the knowledge of industrial drawing which they obtained in our Public and Art Schools.

I may here remark that great progress in Art Education was made in this Province during the administration of the late Hon. Adam Crooks, as Minister of Education.

In 1883, the Hon. Dr. Ross was appointed Minister of Education. At that time charges had been made against our Educational system, that the Education of our youth was not sufficiently practical, that it did not bear with sufficient directness on the occupations of the masses, that it did not secure for the workers, or bread-winners as good a training for industrial occupations as that afforded by Universities to students for professional life. As a far seeing and practical man Dr. Ross immediately seized upon the fact that as the value of drawing had already been recognized by those nations which had made the greatest progress in Industrial manufactures, it was necessary that drawing should be compulsory in our schools, but the first thing to be done was to train teachers for this work, therefore in 1883 the Minister provided free instruction in drawing during the summer holidays for teachers of High and Public Schools. The success was unprecedented, no less than 424 proficiency and 66 full teachers' certificates in the Primary Course were awarded.

In the following year 79 Teachers' Certificates and 177 Proficiency Certificates in the Primary Course, 2 Teachers' Certificates and 114 Proficiency Certificates in the Advanced Art Course were awarded to the Teachers of our Province.

In 1885 Dr. Ross having succeeded in inducing Teachers to take more interest in the study of drawing, made drawing compulsory in our Schools, so that this very day we know that over 500,000 children in this Province, have been studying this important subject.

In 1886 I was appointed Commissioner of Education for the Colonial Exhibition, and we exhibited specimens of drawing from no less than 255,821 school pupils, in addition we had 580 exhibits from Art Schools, Ladies' Colleges and other Institutions affiliated with the Education Department for examination purposes; these exhibits included Industrial Designs, Machine and Architectural Drawings, Modeling in Clay, Sculpture, Painting on China, and Oil and Water Colors, Drawing, etc. I am proud to say

that in this class no less than 237 Medals and Diplomas were awarded by the Royal Commissioners, which were presented by His Excellency the Governor-General, on 4th May, 1887.

The encomiums from educationists and the press, as to the excellence of our work were universal.

I will give one extract only for the purpose of showing you how much our industrial drawings were appreciated; the *Canadian Gazette* says: "The work from the Art Schools of Ontario is such as would do credit to many older countries. In view of the Exhibition the Ontario Manufacturers Association offered medals for the best designs for various manufacturing purposes, and Dr. May as Superintendent of Art Schools at once issued circulars to the schools notifying them to prepare forthwith various designs. The Toronto School designs were prepared for paper hanging; in Ottawa for iron work, such as railings, fences, etc.; in London designs for sideboards, etc.; and in the Kingston School for mantel pieces and over mantels. Considering then the fact that no selection is made in the exhibits of this class, all the competing designs been shown and that but a fortnight was allowed for the work, Ontario has reason to be proud of the result. It unquestionably forms a most important part of the court.

"Medals were also awarded to High and Public School pupils by leading manufacturers for designs for book-covers, carpets, oil cloths, etc. Those were all exhibited and were much admired by educationists and others."

Before leaving England, having received an intimation that Her Majesty the Queen would be pleased to accept a few specimens of Art School work from Ontario, I selected some exhibits from the different departments, and forwarded them with a letter referring to our advancement in the Industrial Art during the past few years, and the great interest H.R.H. the Princess Louise and the Marquess of Lorne had taken in the promotion of Art work during their residence in Canada.

In reply I received the following letter from General Sir Henry Ponsonby, Private Secretary to the Queen:—

OSBORNE, January 8th, 1887.

DEAR SIR,—The articles forwarded by you have arrived here to-day and I have given them to the Queen, who was very much pleased with them, and has commanded me to thank you for sending these well-executed specimens of the work of the students of the Art Schools, Education Department, Toronto.

I have the honor to be, Dear Sir,

Yours faithfully,

DR. S. PASSMORE MAY, O.L.H.

HENRY F. PONSONBY.

I regret that for want of time I cannot on this occasion give you a description of our Educational Exhibits at the Chicago Exposition in 1893, but in order for you to form some opinion of our great success, I may state that, in addition to the large number of awards made to individual exhibitors in the Educational Court, the Education Department received fifteen awards for systems of training, etc., and seven awards for pupils' work in Provincial Schools and Institutions.

I will refer to three of these only:

1. General Education Exhibit.

Award:—For a system of public instruction almost ideal in the perfection of its details and the unity which binds together in one great whole all the schools from the Kindergarten to the University.

2. Educational Exhibit.

Award:—First, for excellent system of Kindergarten and Primary work prepared for the Public Schools; second, for excellent system of Primary, Secondary and Superior Instruction afforded all students throughout the Province.

2. Work of Students in Art Schools.

Award for artistic beauty and practical nature of the specimens.



I will now read you two extracts from the *Toronto Globe*, giving the opinions of two distinguished educationists representing Great Britain and the United States.

*1. Sir Richard Webster on the Ontario Educational Exhibit.*

World's Fair Grounds, Chicago, Sept. 27.—Sir Richard Webster, Chairman of the British Royal Commission to the World's Columbian Exposition, has been thoroughly exploring the fair during the past week. The distinguished British statesman, having completed the rounds of the exhibit courts of the different Provinces of the Dominion, was asked what he thought of their displays. Sir Richard unhesitatingly declared that he was astonished both as to the magnitude and perfection of most of the exhibits, but said what struck him most forcibly was the Ontario educational exhibit in the gallery of the Liberal Arts building. Further, he expressed the opinion that it was one of the most beautiful and instructive in the whole exhibition. He thought Ontario's the only exhibit that at all approached his ideal of what an educating exhibit should be, for he considered it the most perfect in arrangement, and explanatory in a simple and satisfactory way of the finest practical system of public education, from the kindergarten to the university, that the world affords to-day.

*2. General Eaton, Ex-Commissioner of Education, United States.*

"I was so much pleased with the wonderful exhibit of school appliances made by the Education Department of Ontario at the Centennial Exhibition in 1876, that I subsequently visited Toronto for the purpose of studying the school system, and examining the school apparatus, etc., in the Educational museum, my opinion of the excellence of both was so good that I am not the least surprised to find the exhibits from the Ontario Education Department second to none in the world."

In closing, I may remark that very few persons are aware of the commercial value of our present system of Industrial Art education in this Province, and you will be surprised when I tell you that our last census shows that within a decade our manufacturing establishments have increased 43 per cent., the number of employees 53 per cent., wages 88 per cent., and capital invested 249 per cent. And to the lovers of fine arts I may say that, in order to encourage native art, two years ago the Hon. Dr. Ross, Minister of Education, entered into an agreement with the Ontario Society of Artists to provide annually a collection of paintings to be exhibited in the Educational Museum, which the artists say in their Annual Report is much appreciated and of great benefit in promoting art culture in this Province, and W. E. Sherwood, A.R.C.A., in his article on the national aspect of Canadian Art, in *Hopkins' Canada*, an *Encyclopædia of the Century*, says: "It is perhaps a sign of the real art-loving instincts of our people that we have such diverse institutions organized for art advancement, though many of these are of a sectional character and biassed by external influence, good may come out of them all. I must make a kindly reference here to the new Provincial Art Gallery in the Normal School. The Hon. Geo. W. Ross, Minister of Education, Dr. S. Passmore May, Superintendent of Art Schools, and the Hon. Richard Harcourt were largely instrumental in the erection of this Gallery. It is the intention to purchase the products of Canadian art only. So long as the selection of pictures is thus made by those who have the legal right to make them, so long will there be an open chance for the works of the native-born Canadian painter."

## LITERARY AND SCIENTIFIC INSTITUTIONS.

*1. The Report of the Hamilton Literary and Scientific Association for the year ending 30th of April, 1899*, shows that seven general meetings and twenty-one sectional meetings were held, and twelve papers on Science, etc., were read and discussed.

**Museum.**—Numerous additions have been made to the museum, and collections of local fossils have been presented by the Association to the British and other museums, also to several noted palæontologists.



There is an increased interest in the museum which is open free to the public once a week, particularly among young persons who are becoming interested in making their own collections, and can use the museum for reference and instruction.

The receipts including Government grant were \$578.18, expenditure \$430.33, balance on hand \$147.85.

2. *The Report of the Kingston School of Mining for the year ending 30th of April, 1899*, shows that the total number of students registered for the session was 194 as follows: Mining engineering (degree course), 28; mining engineering (prospectors course), 6; other engineering courses, 6; veterinary science, bacteriology, dairy school for butter and cheese making and other subjects, 154.

In the laboratory of this School there were tested in 1898 specimens of ore gathered from different parts of Canada, of a weight varying from 500 lbs. to 7 tons.

At the Dairy School 7,344 lbs. of milk were received on the average each day.

Prospecting classes were conducted last summer in Parry Sound and Mattawa.

Expenditure, \$16,385.00.

3. *The Report of the Ottawa Literary and Scientific Society for the year ending 30th April, 1899*, shows a membership of 319. Ten papers were read and discussed during the lecture course.

The transactions of the Society has been printed and forwarded gratuitously to nearly 200 societies throughout the world, and many valuable exchanges have been received and added to the library.

The Library and Reading Room have been very successful, 163 volumes and 28 bound volumes of magazines have been added to the library, and the total issue of books numbered 10,141, including history, biography, voyages and travels, fiction, general literature, poetry, theology, science, etc,

The Reading Room is well supplied with daily papers and the best English and American magazines and reviews. The expenditure for this branch of the Society was \$168.40.

The receipts, including Government grant, were \$1,122.55, expenditure \$1,097.02, balance on hand \$25.53.

4. *The Report of the Ontario Historical Society for the year ending 30th of April, 1899*, shows an increased interest in matters relating to this Province, the membership has been increased and a patriotic spirit developed as shown by an enthusiastic meeting in February when the following affiliated societies were represented, viz.: Belleville and Bay of Quinte Historical Society, Elgin Historical Society, Grenville Pioneer and Historical Society, Halton Historical Society, Lambton Historical Society, Lundy's Lane Historical Society, Niagara Historical Society, Niagara Falls U. E. Loyalists Association, Oxford Historical Society, Simcoe Pioneer and Historical Society, Women's Canadian Historical Society of Toronto, Women's Canadian Society of Ottawa, Women's Wentworth Historical Society, Wentworth Pioneer and Historical Society, Thorold and Beavercreek's Historical Society, York Pioneer and Historical Society.

A society has been recently organized in Picton for Prince Edward County and similar societies are being formed in other parts of the Province.

5. *The Report of the Institut Canadien Francais d'Ottawa for the year ending 30th of April, 1899*, shows that five courses of instruction were given during the session by eminent professors and other distinguished men:

1. Literary Course (including Canadian History and Literature).—These lectures were regularly attended by from four to five hundred members and other persons.

2. Course in Elocution.—This course had about the same total membership and average attendance as the Literary Course.

3. Course in Music.—This course had an enrolled membership of 125, with an average attendance of 85. Almost within its members has been formed a Choral Society which fills an important position in the musical world of the capital.

4. Course in Industrial Electricity.—This course was under the direction of a practical expert who, aided by the necessary apparatus, gave experiments of great interest and value to a large number of mechanics representing various trades and manufacturers, also to the employees of electrical companies who were in regular attendance throughout the session.

5. Course in Needle-work.—This course was in charge of a committee of Ottawa ladies who were untiring in their efforts to impart instruction to the large number of members who availed themselves of the privilege of attending these classes.

Receipts, \$2,182 75 ; expenditure, \$2,499.31 ; balance due treasurer, \$316.56.

6. *Report of the St. Patrick Literary and Scientific Association for the year ending 30th of April, 1899*, shows that \$981.25 was expended for lectures and entertainments during the winter, which were largely attended. In addition, 135 members availed themselves of the privileges of the well-equipped library and reading-room. Books on the following subjects were loaned to members during the year, viz.: History, Biography, Voyages and Travels, Science and Art, General Literature, Poetry and the Drama, Religious Literature, Fiction and miscellaneous books. The library also contains 199 works of reference for the use of members.

Receipts, including balance on hand from previous year, \$3,254.70 ; expenditure \$1,300.22 ; balance on hand, \$1,954.48.

7. *Report of the Ottawa Field Naturalists Club for the year ending 30th April, 1899*, shows that the club has been in existence 21 years ; it has 250 members. The main object of the club is to interest lovers of science by conducting natural history excursions in the summer months, giving lectures and holding soirees with exhibitions of specimens and discussions thereon during the winter months, and the publication of the *Ottawa Naturalist*, the official organ of the club.

Three large excursions were held during the summer of 1898. The first was attended by 175 members. Addresses were given on the geology of the district, and interesting plants were collected in the neighbourhood. At the second excursion, collections on botany, geology and entomology were made, and addresses given by the leaders. The third excursion was attended by the Normal School students in a body under the guidance of the leaders of the different branches of the club.

Several sub-excursions were also held.

The winter course of lectures and soirees, which are practically meetings for the exhibition of specimens and discussions on the various topics of natural history, were very successful, being attended by representatives from the Normal School, the Collegiate Institute and other educational institutions.

The lectures were as follows :

Inaugural Address, Prof John Macoun.

Notes on some local violets, James M. Macoun.

Minerals of the Ottawa valley, Dr. R. W. Ellis.

Notes on an herbivorous Deinosaur from the Cretaceous of Western Canada, L. M. Lambe.

Some native Herbaceous Perennials worthy of cultivation, W. F. Macoun.

On the burrowing habits of the Cambaius, the Cray-fish, Dr. H. M. Ami.

Notes on Fresh-water Polyzoa, W. S. Odell.

Archæology of Lake Deschenes, T. W. E. Sowter.

Extra Limital Insects found at Ottawa, W. H. Harrington.

Life History of the Salmon, Prof. E. E. Prince.

Natural History in Art, Prof. J. Mavor.

Annual Conversazione and Microscopical Soiree which was attended by the Right Honourable the Earl of Minto, patron of the club.

The *Ottawa Naturalist*, under the editorship of Dr. H. M. Ami, with a staff of associate editors, contains original papers from some of the leading scientists in Canada on the following subjects: Archæology, Zoology, Ornithology, Entomology, Botany, Geology, Chemistry, etc.

Receipts, \$613.88 ; expenditure, \$546.55 ; balance on hand, \$67.33.

8. *Report of the Canadian Institute, Toronto, for the year ending 30th April, 1899*, shows that twenty-one ordinary meetings were held during the year at which twenty-nine papers were read, viz: Geology 4, Mineralogy 3, Forestry 1, Astronomy 2, Biology 4, Archæology 2, Ethnology 2, Philology 1, History 3, Architecture 1, Miscellaneous 6.

The Biological section held eleven meetings, at which ten papers were read on Zoology, Ornithology, Entomology, Botany, etc.

Library.—During the year 2,084 exchanges have been received and 31 periodicals have been subscribed for and 254 volumes have been bound. The number of books and periodicals loaned during the year was 662.

In regard to membership the Council say "the record is most satisfactory" and forty-five names have been removed from the list for non-payment of fees.

The publications of the Institute during the year included part 2 of volume 5 of the transactions and four parts of volumes 1 and 2 of the proceedings.

The Memorial Volume is in course of preparation.

Receipts, \$2,795.69 ; expenditure, \$2,330.99 ; balance on hand, \$464.70.

9. *The Report of the Astronomical and Physical Society of Toronto for the year ending 30th April, 1899*, shows that it has 3 life members, 13 honorary members, 20 corresponding members, 72 active members and 15 associate members.

Twenty-five meetings were held during the year at which a large number of papers were read and discussed, these are published in the Transactions of the Society for 1898, a large pamphlet with illustrations, containing 151 pages.

Receipts, \$487.24 ; expenditure, \$377.77 ; balance on hand, \$109.47.

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APPENDIX N.—MEMBERS OF THE EDUCATIONAL COUNCIL AND BOARD OF EXAMINERS; LIST OF HIGH SCHOOL PRINCIPALS AND ASSISTANTS, 1900.

THE HIGH SCHOOL AND UNIVERSITY MATRICULATION EXAMINATIONS.

1. MEMBERS OF THE EDUCATIONAL COUNCIL AND BOARD OF EXAMINERS FOR 1899-1900.

EDUCATIONAL COUNCIL.

Under the provisions of section 5, cap. 291, R.S.O., 1897, the following gentlemen were appointed members of the Educational Council:

James Loudon, M.A., LL.D., President of the University of Toronto.  
 Maurice Hutton, M.A., of Toronto University,  
 The Rev. N. Burwash, M.A., LL.D., Chancellor of Victoria University.  
 The Rev. William Clark, M.A., D.C.L., F.R.S.C., of Trinity University.  
 A. P. Knight, M.A., M.D., of Queen's University.  
 A. B. McCallum, B.A., Ph. D., University of Toronto.  
 J. H. Farmer, B.A., LL.D., of McMaster University.  
 Alfred Baker, M.A., of Toronto University.  
 The Rev. J. R. Teefy, M.A., LL.D., Principal of St. Michael's College.  
 W. Tytler, B.A., Public School Inspector, Guelph.  
 Cortez Fessenden, M.A., Principal of Collegiate Institute, Peterborough.  
 G. H. Armstrong, M.A., B. Paed, Principal of Borden St. Public School, Toronto.

W. PAKENHAM, B.A.,

JAMES LOUDON, M.A., LL.D.

Registrar.

Chairman.

BOARD OF EXAMINERS APPOINTED BY THE EDUCATIONAL COUNCIL.

*English, History and Geography:*

W. J. Alexander, B.A., Ph.D.  
 O. P. Edgar, B.A., Ph.D.  
 A. E. Lang, B.A.

*Mathematics:*

A. C. McKay, B.A.  
 A. Odell.  
 W. Prendergast, B.A.

*Classics:*

A. J. Bell, M.A., Ph.D.  
 G. W. Johnston, B.A., Ph.D.  
 A. B. Nicholson, B.A.

*French and German:*

W. H. Fraser, B.A.  
 L. E. Horning, M.A., Ph.D.  
 A. H. Young, B.A.

*Physics, Chemistry, and Biology:*

R. R. Bensley, B.A.  
 W. L. Goodwin, D.Sc.  
 W. J. Loudon, B.A.

F. N. NUDEL,

Secretary.

W. PAKENHAM, B.A.,

Chairman,

## 2.—LIST OF PRINCIPALS AND ASSISTANTS OF HIGH SCHOOLS (INCLUDING COLLEGIATE INSTITUTES), JANUARY, 1900.

Collegiate Institutes.	Principals and Assistants.			Date of Appointment.	Salary.
	Name.	Degree.	Specialists.		
Aylmer	Rutherford, Walter W.	B.A., Tor.	Math.	1883	1,400 00
	Phelps, Frances G.	B.A., Tor.	Eng. His. (Interim) Fr., Ger.	1896	700 00
	Brown, Lyman	B.A., Tor.	Class.	1899	800 00
	Kilmer, Ernest E. C.		Sci. (Interim)	1899	800 00
	Redditt, Thomas H.	B.A., Tor.	Eng., His., Fr., Ger.	1893	1,500 00
Barrie	Hay, Andrew		Math.	1882	1,000 00
	Minns, James Edward	B.A., Vic.	Math., Sci.	1893	1,000 00
	Roucar, Walter K.	B.A., Tor.	Fr., Ger., (Interim) Eng., His.	1896	750 00
	Moir, M. Annie		Commercial (Interim)	1895	700 00
	Bennett, Charles V.	B.A., Queen's	Class.	1897	800 00
Brantford	Burt, Arthur William	B.A., Tor.	Eng., Hist., Fr., Ger.	1893	1,800 00
	Passmore, Samuel F.	M.A., Tor.	Class.	1885	1,100 00
	Hogg, James P.	B.A., Queen's	Eng., Hist., Math.	1893	1,100 00
	Coates, Daniel Harsum	B.A., Tor.	Math.	1893	1,100 00
	Bunnell, Effie Maria	B.A., Tor.	Eng., Hist., Fr., Ger.	1891	1,000 00
Brockville	Hamilton, James Reid	B.A., Tor.	Sci.	1893	1,100 00
	Shultis, Adam		Commercial	1896	1,000 00
	Marquis, Thomas G.	B.A., Queen's	Eng., Hist.	1897	1,500 00
	Copland, James Stuart	M.A., McMaster	Sci.	1889	1,000 00
	Sidley, Henry R.	B.A., Trin.	Class.	1895	1,000 00
Chatham	Husband, Almeron Judson	B.A., Tor.	Fr., Ger.	1895	950 00
	McJee, Cyril Houghton	B.A., Trin.	Math.	1897	1,000 00
	Giles, Edith			1890	650 00
	Richardson, Kate		Commercial (Interim)	1898	550 00
	Paterson, David Smith	B.A., Tor.	Eng., Hist., Fr., Ger.	1888	1,500 00
Clinton	Twohey, William J.	M.A., Tor.	Class.	1885	1,200 00
	Taylor, Wilson	B.A., Tor.	Math.	1894	1,200 00
	Jewett, Albert E.	B.A., Queen's	Sci.	1896	1,150 00
	Lane, James S.	B.A., Tor.	Fr., Ger.	1898	850 00
	Black, James Spurgeon		Commercial	1894	950 00
	Mowbray William	B.A., Tor.	Eng., Hist. (Interim)	1899	750 00
	Houston, John	M.A., Tor.	Eng., Hist., Fr., Ger.	1892	1,225 40
	Rand, Wilfred Earl	B.A., Tor	Math.	1892	950 00

Cobourg	McLean, Ebenezer M.	Sci.	1894	900 00
	Treleavan, John Wesley	Class (Interim)	1895	850 00
	Parlee, Edith	Commercial (Interim)	1898	600 00
	Mitchell, George Winter	Class.	1891	1,425 00
Collingwood	Arthur, Colin Clayton	Sci.	1893	1,000 00
	Odell, John W.	Math	1895	1,000 00
	Jones, Laura L.	Eng., Hist., Fr., Ger	1898	900 00
	Mitchell, Jessie A.	B.A., Tor	1896	700 00
Galt	Williams, William	B.A., Tor	1873	1,100 00
	Hamill, George	B.A., Tor	1892	900 00
	Colling, John Knowles	Class.	1899	800 00
	Fraser, Charles McLean	Sci.	1895	600 00
Goderich	Simpson, Robert S.	Commercial	1899	600 00
	Carscadden, Thomas	Eng., Hist	1885	1,750 00
	Logan, Charles James	Class.	1883	1,200 00
	Wright, Arthur Walker	Fr., Ger.	1886	1,100 00
Guelph	DeGuerre, Ambrose	B.A., Tor	1890	1,100 00
	Evans, William Edwin	Math	1892	850 00
	Hamilton, Robert S.	Commercial	1894	1,000 00
	Strang, Hugh Innis	Sci.	1871	1,300 00
Hamilton	Moore, Alvin Joshua	Class	1880	950 00
	Charles, Henrietta	Math	1890	1,000 00
	Grant, Burton D.	Eng., Hist., Fr., Ger	1895	900 00
	McLellan, Kate	Sci.	1895	700 00
Hamilton	Davison, James	B.A., Vic.	1892	1,400 00
	Hill, Ethelbert, Lincoln	B.A., Tor	1889	1,000 00
	Skinner, Kate Clara	B.A., Tor	1895	800 00
	Wilson, Henry Ernest	B.A., Tor	1895	950 00
Hamilton	Charlesworth, John William	Class.	1888	800 00
	Dobbie, William James	Commercial	1892	800 00
	Thompson, Robert Allen	Math	1886	1,800 00
	Turner, John Burgess	Sci.	1885	1,400 00
Hamilton	Peterson, Andrew	Math., Sci.	1885	1,400 00
	Crawford, John Thomas	Math	1874	1,200 00
	Logan, William McGregor	Class.	1889	1,200 00
	Hogarth, Eber Septimus	Eng., Hist., Fr., Ger	1892	1,200 00
Hamilton	MacPherson, Frederick Fotheringham	Eng., Hist., Fr., Ger	1894	1,200 00
	Gill, James	Math	1892	1,100 00
	Morgan, Sydney Albert	Class	1891	1,000 00
	Brown, Oliver Jenison	B.A., Tor, B. Paed	1881	1,000 00
Hamilton	Davidson, Margaret Cheyne	M.A., Vic.	1876	800 00
	Asman, Henry Oldrid Evison	B.A., London, Eng	1891	900 00
	Armstrong, William Gilhockie	B.A., Tor	1895	800 00
	Johnston, George Lang	Eng., Hist., Fr., Ger (Interim)	1888	800 00
Hamilton	Morgan, Harriet Emma	Commercial (Interim)	1897	500 00



## LIST OF PRINCIPALS AND ASSISTANTS OF HIGH SCHOOLS (INCLUDING COLLEGIATE INSTITUTES), JANUARY, 1900.

Collegiate Institutes.	Principals and assistants.			Date of Appointment.	Salary.
	Name.	Degree.	Specialists.		
Ingersoll	Briden, William..... Gundry, Arthur P..... McDonald, George L..... Cameron, John Shaw..... Norman, Lambert.....	B. A., Queen's..... B. A., Tor..... B. A., Tor.....	Class., Eng., Hist..... Sci..... Eng., Hist., Fr., Ger..... Math. (Interim)..... Eng., Hist., Fr., Ger.....	1886 1894 1895 1898 1897	\$ 1,200 00 1,000 00 1,000 00 800 00 800 00
Ingerson	Ellis, William Stewart..... Sliter, Ernest Oscar..... Dales, John Nelson..... Marshall, John..... Lingwood, Frederick H..... Sills, William Ryerson..... Sexton, James Henry..... Ward, William..... Duff, James..... Hinch, Nicholas Edward..... (Interim)	P. A., Vic..... M. A., Tor..... M. A., Tor..... M. A., Queen's..... M. A., Trin..... M. A., Queen's..... M. A., Queen's..... M. A., Queen's..... M. A., Queen's..... M. A., Tor.....	Math., Sci..... Class..... Eng., Hist., Fr., Ger..... Eng., Hist..... Class..... Math..... Sci. (Interim)..... Commercial..... Eng., Hist., (Interim)..... Eng., Hist., Fr., Ger.....	1893 1888 1889 1897 1894 1897 1898 1898 1899 1900	1,800 00 1,200 00 1,200 00 1,200 00 1,200 00 1,800 00 1,100 00 800 00 900 00 600 00 700 00
Lindsay	Harstone, John C..... Stevens, William H..... Hardy, Edwin A..... Hillock, Julia Sine..... Colling, James..... Muckle, Charles Park..... (Interim)	B. A., Tor..... B. A., McGill..... B. A., Tor..... B. A., Tor..... B. A., Tor..... B. A., Tor.....	Math..... Sci..... Eng., Hist., Fr., Ger..... Fr., Ger..... Class..... Commercial, Math.....	1886 1889 1889 1893 1894 1899	1,400 00 1,100 00 1,100 00 1,000 00 1,100 00 800 00
London	Radcliffe, Samuel John..... Little, Robert A..... Gray, Robert A..... Ferguson, William Chalmers..... McCool, John..... McKee, George A..... Govenlock, William M..... McCready, Samuel B..... Wilson, Nicholas..... Andrus, Guy A..... Edwards, Clarence B..... Riddell, Frank P..... Jones, Samuel S..... Horton, Charles W..... Dickinson, James A.....	P. A., Tor..... B. A., Tor..... B. A., Tor..... B. A., Tor..... M. A., Tor..... B. A., Tor..... B. A., Tor..... B. A., Tor..... ..... B. A., Tor..... B. A., Tor..... B. A., Tor..... B. A., Tor..... B. A., Tor..... B. A., Queen's..... B. A., Queen's.....	Eng., Hist., Fr., Ger..... Class..... Math..... Eng., Hist., Fr., Ger..... Eng., Hist., Fr., Ger..... Class..... Math..... Sci. (Interim)..... ..... Class..... Eng., Hist..... Commercial.....	1891 1886 1887 1892 1897 1897 1898 1898 1896 1888 1894 1898 1892 1895 1895	1,800 00 1,250 00 1,250 00 1,200 00 1,100 00 1,050 00 1,050 00 1,050 00 1,100 00 1,050 00 1,075 00 1,950 00 1,000 00 1,000 00 1,000 00

<b>Morrisburg</b>	Voaden, Arthur.....	Commercial (Interim).....	1898	950 00
	Downing, John Henry.....	.....	1900	900 00
	Hanson, Fannie M.....	.....	1886	800 00
	Kelso, Alice C.....	.....	1897	775 00
	Jamieson, James Smyth.....	M.A., Vic.....	1882	1,200 00
<b>Napanee</b>	Massey, Arthur Wallace.....	B.A., Vic.....	1892	850 00
	Kirkland, William Stuart.....	.....	1898	800 00
	Albarus, Hedwig Selma.....	B.A., Tor.....	1899	700 00
	Croskery, Robert Arthur.....	B.A., Queen's.....	1899	700 00
	Taylor, Luther William.....	Commercial.....	1899	600 00
<b>Napanee</b>	Henry, Thomas McKee.....	B.A., Tor.....	1890	1,400 00
	French, Frederick William.....	B.A., Tor.....	1894	1,000 00
	Selwood, Frederick Shelton.....	B.A., Tor.....	1898	900 00
	Van Every, John Fair.....	B.A., Tor.....	1897	800 00
	Nichol, Margaret A.....	.....	1892	600 00
<b>Niagara Falls</b>	Smith, Margaret.....	.....	1892	600 00
	Dickson, James Dickson.....	B.A., Tor.....	1893	1,300 00
	Walker, David M.....	Math.....	1893	1,000 00
	Currie, Peter W.....	Sci.....	1894	800 00
	DeBeauregard, Ester T.....	Eng., Hist., Fr., Ger.....	1896	750 00
<b>Ottawa</b>	Tasker, Lawrence Herman.....	Class.....	1898	1,000 00
	Macmillan, John.....	Eng., Hist.....	1891	2,400 00
	Jolliffe, Orion John.....	Class.....	1884	1,700 00
	McDougall, Alexander Hiram.....	Math.....	1889	1,700 00
	Alexander, Luther Herbert.....	Eng., Hist., Fr., Ger.....	1894	1,450 00
<b>Owen Sound</b>	Sykes, Wm. John.....	Eng., Hist.....	1894	1,450 00
	Stothers, Robert.....	.....	1887	1,200 00
	Norris, Isaac Taylor.....	B.A., Queen's.....	1898	750 00
	Conklin, James Davidson.....	Math.....	1894	1,150 00
	Campbell, Daniel A.....	Commercial.....	1896	1,150 00
<b>Perth</b>	Graham, Wm. Andrew.....	Sci (Interim).....	1895	900 00
	Scott, Bessie Mabel.....	.....	1895	800 00
	Macmillan, Herbert S.....	Fr., Ger.....	1897	800 00
	Jenkins, Wm. H.....	Sci.....	1890	1,600 00
	Packham, James Henry.....	Math., Commercial.....	1884	1,600 00
<b>Perth</b>	Murray, Thomas.....	Math.....	1897	1,100 00
	McKellar, Herbert S.....	Fr., Ger.....	1898	1,000 00
	Brough, Thomas Allardyce.....	Eng., Hist.....	1893	1,100 00
	Burgess, Herbert H.....	Eng., Hist.....	1891	1,100 00
	Shields, Alfred J.....	.....	1894	700 00
<b>Perth</b>	Jolliffe, Richard Oraldo.....	Class.....	1899	1,000 00
	Hardie, William.....	Class.....	1892	1,200 00
	Woods, Emme Orilla.....	Eng., Hist., Fr., Ger.....	1890	850 00
	Edmiston, James Alfred.....	.....	1893	800 00
	Keeveat, Howard Stanley.....	Sci.....	1898	900 00

## LIST OF PRINCIPALS AND ASSISTANTS OF HIGH SCHOOLS (INCLUDING COLLEGIATE INSTITUTES), JANUARY 1900.

Collegiate Institutes.	Principals and assistants.			Date of appointment.	Salary.
	Name.	Degree.	Specialists.		
Perth	Doxsee, Williar Morley	B.A., Vic.	Math.	1899	\$ 900 00
Peterborough	Fessenden, Cortez	M.A., Trin.	Math.	1890	2,000 00
	Fife, James A.	B.A., Tor.	Math., Sci.	1887	1,200 00
	Jeffries, John	B.A., Tor.	Eng., Hist., Fr., Ger.	1889	1,200 00
	Kenner, Henry R. H.	B.A., Tor.	Class.	1893	1,160 00
	McPherson, Angus William	B.A., Tor.		1899	650 00
	Fife, Mary H. A.	B.A., Tor.		1899	550 00
	O'Brien, Michael	B.A., Tor.		1892	1,000 00
Ridgetown	Little, John George	B.A., Tor.	Math	1889	1,300 00
	Smith, James Harvey	M.A., Queen's	Sci.	1888	1,000 00
	Reid, Robert	B.A., Tor.	Eng., Hist., Fr., Ger.	1894	800 00
	Marshall, John Wells	B.A., Queen's	Class	1899	700 00
	Keillor, James			1891	650 00
Sarnia	Grant, David M.	B.A., Tor.	Class.	1885	1,300 00
	Corbett, Louis C.	B.A., Tor.	Eng., Hist., Fr., Ger.	1891	1,100 00
	Corkhill, Edward James	B.A., Queen's	Sci.	1891	1,000 00
	Campbell, Alexander	B.A., Tor.	Math	1890	1,000 00
	Pottinger, Sylvia V.			1875	750 00
	Clarkson, Charles	B.A., Tor.	Eng., Hist., Math.: Sci.	1887	1,200 00
Seaforth	Robertson, Hugh S.	B.A., Tor.	Math.	1895	1,000 00
	Stone, Samuel George	B.A., Tor.	Class.	1897	900 00
	Cheswright, Richard C.		Sci.	1893	925 00
	Kirkman, Barbara		Fr., Ger.	1884	725 00
	Mayberry, Charles Alexander	B.A., LL.B., Tor.	Class.	1891	1,500 00
Stratford	Cornwell, Leslie J.	B.A., Tor.	Math.	1893	1,100 00
	Mills, George K.	B.A., Tor.	Sci.	1895	1,000 00
	Libby, Walter	B.A., Vic.	Eng., Hist., Fr., Ger.	1897	1,000 00
	Malcolm George	B.A., Queen's		1890	950 00
	Fletcher, William Hugh		Commercial	1899	900 00
	Marty, Sophie E.	M.A., Queen's	Eng., Hist., Fr., Ger.	1900	900 00
	Wetherell, James Elgin	B.A., Tor.	Class., Eng., Hist.	1883	1,500 00
Strathroy	Patterson, Richard Allan	B.A., Tor	Math	1898	1,000 00



Strathroy .....	Cook, Margaret .....	M.A., Tor .....	Eng., Hist., Fr., Ger. ....	1895
	Reynolds, Aaron Kilbourne ..		Sci. ....	1889
	Kent, Eleanor .....		Commercial (Interim) .....	1899
St. Catharines .....	Henderson, John .....	M.A., Tor .....	Class., Eng., Hist. ....	1872
	Robertson, William John .....	B.A., Tor, L.L.B., Vic .....	Math. ....	1874
	Giffin, James A .....	B.A., L.L.B., Tor .....	Sci. ....	1894
	Cloney, Sarah Louisa .....	M.A., Queen's .....	Eng., Hist., Fr., Ger. ....	1896
	Leing, Arthur Stewart .....	(Interim) .....	Commercial .....	1889
	Stevenson, William John .....		Eng., Hist. ....	1892
	Caverhill, Arthur E. ....			1894
St. Mary's .....	Martin, Stephen .....	B.A., Tor .....	Math. ....	1886
	Follick, Thomas Henry .....	B.A., Vic. ....	Sci. ....	1885
	Clayton, Adelaide Helena R. ..	B.A., Tor .....	Eng., His., Fr., Ger. ....	1892
	Glasey, David A. ....	B.A., Tor .....	Class. ....	1894
	Wightman, Robert .....	(Interim) .....	Math. ....	1897
St. Thomas .....	Quance, Noah .....	B.A., Tor .....	Class. ....	1891
	McGeary, John Henry .....	M.A., Tor .....	Math. ....	1888
	Stevenson, Orlando John .....	M.A., Tor .....	Eng., Hist., Fr., Ger. ....	1897
	Marty, Aletta Elise .....	M.A., Queen's .....	Fr., Ger. ....	1894
	Lees, Richard .....	M.A., Queen's .....	Sci. ....	1894
	Johnson, Robert Wilbur .....	(Interim) .....	Eng., Hist. ....	1898
	Meiklejohn, Allen James .....	(Interim) .....		1899
Toronto (Harbord st.) .....	Spotton, Henry Byron .....	M.A., Tor .....	Class., Sci. ....	1891
	Hazerty, Edward William .....	B.A., Tor .....	Class. ....	1891
	Balmer, Eliza May .....	B.A., Tor .....	Eng., Hist., Fr., Ger. ....	1891
	Lawler, Gertrude .....	M.A., Tor .....	Eng., Hist., Fr., Ger., Math. ....	1891
	Smyth, Thomas H. ....	M.A., Tor .....	Sci. ....	1891
	Cox, John Leane .....	B.A., Tor .....	Math. ....	1892
	Eldon, Robert Henry .....		Math. Commercial .....	1891
	Forfar, Charles .....	B.A., Tor .....	Eng., Hist., Fr., Ger. ....	1892
	Kennedy, Lyman Aaron .....	M.A., Vic. ....	Math. ....	1892
	Strath, Robert Smith .....	B.A., Tor .....	Math. ....	1893
	Clark, Luther J. ....	B.A., Queen's .....	Eng., Hist. (Interim) .....	1896
	Carstairs, John Stewart .....	B.A., Tor .....		1899
Toronto (Jameson ave.) .....	Embree, Luther Edmund .....	M.A., Tor .....	Class., Eng., Hist., Fr., Ger. ....	1888
	Smith, Gilbert Acheson .....	B.A., Tor .....	Sci. ....	1889
	Ryckman, Louise L. ....	B.A., Tor .....	Class., Eng., Hist., Fr., Ger. ....	1891
	Richard, Isaac J. ....	M.A., Tor .....	Math. ....	1893
	Crawford, Henry J. ....	B.A., Tor .....	Class. ....	1894
	Millar, James .....		Class. ....	1888
	Wisner, John Anderson .....	M.A., Trin .....	Commercial .....	1889
	Spence, Nellie .....	B.A., Tor .....	Class., Eng., Hist. ....	1889
	Sinclair, John .....	B.A., Tor .....	Class., Eng., Hist. ....	1893
Toronto (Jarvis st.) .....	MacMurchy, Archibald .....	M.A., Tor .....	Math. ....	1872
				2,500 00
				2,500 00
				900 00
				900 00
				700 00
				1,600 00
				1,200 00
				1,700 00
				900 00
				989 00
				700 00
				700 00
				1,200 00
				900 00
				850 00
				900 00
				600 00
				1,500 00
				1,200 00
				1,100 00
				1,200 00
				1,200 00
				700 00
				600 00
				2,500 00
				1,500 00
				1,500 00
				1,500 00
				1,500 00
				1,500 00
				1,500 00
				1,200 00
				1,200 00
				1,200 00
				1,050 00
				1,000 00
				2,500 00
				1,500 00
				1,500 00
				1,500 00
				1,500 00
				1,500 00
				1,500 00
				1,250 00
				1,100 00
				2,500 00

## LIST OF PRINCIPALS AND ASSISTANTS OF HIGH SCHOOLS (INCLUDING COLLEGIATE INSTITUTES), JANUARY, 1900.

Collegiate Institutes.	Principals and assistants.			Date of Appointment.	Salary.
	Name.	Degree.	Specialists.		
Toronto (Jarvis st.) .....	Chase, George A. ....	B.A., Tor .....	Eng., Hist., Fr., Ger. ....	1889	\$ c. 1,500 00
	Manley, Frederick Fitzpayne .....	M.A., Tor .....	Math .....	1875	1,700 00
	Shaw, George Edmund .....	B.A., Tor .....	Eng., Hist., Fr., Ger .....	1876	1,500 00
	Grant, Wilbur .....	B.A., Tor .....	Math .....	1881	1,500 00
	Michell, William C .....	B.A., Tor .....	Class .....	1887	1,100 00
	Crawford, William Glover .....	B.A., Tor .....	Class .....	1872	1,500 00
	MacBachren, Neil .....	B.A., Tor .....	Sci .....	1886	1,500 00
	MacMurchy, Helen .....	B.A., Tor .....	Sci .....	1880	900 00
	Thomas, Janie .....	B.A., Tor .....	Eng., Hist. (Interim) .....	1882	900 00
	Lehmann, Carl .....	B.A., Tor .....	Eng., Hist. (Interim) .....	1888	1,050 00
Whitby .....	Hogarth, George Henry .....	B.A., Tor .....	Math .....	1890	1,100 00
	Henderson, Anson G .....	B.A., Tor .....	Commercial .....	1881	960 00
	Jones, George M. ....	B.A., Tor .....	Eng., Hist., Fr., Ger. ....	1896	700 00
	Dent, William A. ....	B.A., Tor .....	Sci .....	1896	750 00
	Tamblyn, W. F .....	B.A., Tor, Ph. D. Col .....	Class .....	1899	750 00
	Cody, William Stephen .....	B.A., Tor .....	Math .....	1893	1,500 00
Windsor .....	Gavin, Frederick P .....	B.A., Queen's .....	Sci .....	1892	1,000 00
	Bell, Frederick Henry .....	B.A., Tor .....	Eng., Hist., Fr., Ger. ....	1898	900 00
	McVicar, Archibald .....	B.A., Tor .....	Eng., Hist .....	1898	800 00
	Messmore, James L. ....	B.A., Tor .....	Class .....	1899	800 00
	Symington, Marion .....	B.A., Tor .....	Class .....	1895	700 00
	Nelson, James .....	B.A., Tor .....	Commercial .....	1898	900 00
Woodstock .....	Levan, Isaac Master .....	B.A., Tor .....	Class, Eng., Hist., Fr., Ger. ....	1898	1,500 00
	Griffin, Albert Dyke .....	B.A., Tor .....	Math .....	1882	1,100 00
	Kerr, Charles Staple .....	B.A., Tor .....	Eng., Hist. (Interim) Class .....	1889	1,000 00
	Stevenson, Andrew .....	B.A., Tor .....	Eng., Hist .....	1896	1,000 00
	Cole, James McLarty .....	B.A., Tor .....	Sci .....	1898	1,000 00
	Sigley, Edward Cooper .....	B.A., Tor .....	Commercial .....	1895	750 00
High Schools. Alexandria .....	Errett, Charles Francis .....	B.A., Tor .....	Commercial .....	1897	700 00
	McKay, Donald .....	B.A., Tor .....	Class .....	1895	1,250 00

Longmore, H. Bruce.....	(Interim)	B.A., Queen's	1898	750 00
O'Brien, Lizzie.....			1896	650 00
McGregor, Peter Campbell		B.A., Queen's	1882	1,100 00
McPhail, Alexander O.....		B.A., Queen's	1899	750 00
Amour, Amy A.....		B.A., Queen's	1893	723 00
Thompson, Margaret Jane		B.A., Queen's	1895	695 00
Morrow, Archibald Elston		B.A., Tor	1898	1,000 00
Radlen, William George	(Interim)	B.A., Tor	1898	700 00
Day, Alfred Ernest.....	(Interim)	M.A., Queen's	1898	625 00
Snider, E. Egerton		B.A., Vic	1896	1,050 00
Race, Cecil E.....	(Interim)	B.A., Tor	1899	600 00
Elder, William J.....	(Interim)	B.A., Tor	1899	450 00
Massey, Norman Levi		B.A., Vic	1898	900 00
Bishop, Charles Peter.....		M.A., Queen's	1895	650 00
Dowsley, William Clinton	(Interim)	M.A., Queen's	1899	600 00
Moore, James Rossington	(Interim)	M.A., Queen's	1899	500 00
Mulloy, Charles W.....		B.A., Tor	1896	1,000 00
Rice, John.....		B.A., Queen's	1895	650 00
Mills, Martha Christine	(Interim)	B.A., Queen's	1898	500 00
Myer, Albert Nicholas		M.A., Trin	1898	800 00
Ball, Kathleen Hester			1892	550 00
Milburn, Edward Fairfax		B.A., Trin	1893	1,200 00
Knight, William W.....			1892	900 00
Clarke, Henry Jellyman			1882	850 00
McRae, Jesse Garre			1889	600 00
Lutton, James T.....	(Interim)	B.A., Tor	1898	800 00
Connor, James William		B.A., Tor	1870	1,300 00
Forsyth, David.....		B.A., Tor	1876	1,100 00
Sheppard, Frederick William			1888	900 00
Eby, Minnie Dorothy		M.A., McMaster	1898	600 00
Gillilan, James		B.A., Queen's	1897	1,100 00
Tamblyn, William Ware		M.A., Tor	1897	900 00
Frost, Francis H.....		B.A., Tor	1896	800 00
Bragg, Thomas George.....		B.A., Tor	1897	800 00
Rogers, James C.....		B. A., Queen's	1896	1,000 00
McLean, Allan.....			1892	700 00
Burgess, John A.....			1895	650 00
Fenton, William J.....		B.A., Tor	1894	1,200 00
Galbraith, William John.....		B.A., Trin	1887	900 00



## LIST OF PRINCIPALS AND ASSISTANTS OF HIGH SCHOOLS (INCLUDING COLLEGIATE INSTITUTES) JANUARY, 1900.

High Schools.	Principals and assistants.				Date of appointment.	Salary.
	Name.	Degree.	Specialists.			
Brampton .....	Howard, Edwy S. Warren, James M. Cosens, Absalom	B.A., Vic. B.A., Tor. B.A., Tor.	Eng., Hist. Math. Sci.		1892 1897 1897	\$ 900 00 900 00 700 00
Brighton .....	Newman, George E. Burke, Alexander	B.A., Queen's	Fr., Ger. (Intr'm) Eng., Hist.		1896 1894	900 00 700 00
Caledonia .....	McRitchie, Alexander Robinson Aubin, Alfred Lerrier Colling, George F. .... (Interim)	B.A., Tor. B.A., Oxon. B.A., Tor.	Sci. Class. Math.		1897 1896 1899	900 00 700 00 650 00
Campbellford .....	Shields, Alexander M. Hume, John P. Boyes, Robert. Stewart, Ernest J. .... (Interim)	B.A., Tor. B.A., Queen's B.A., Queen's	Eng., Hist. Math.		1889 1896 1895 1899	1,100 00 900 00 800 00 500 00
Carleton Place .....	Patterson, William John McIntosh, William Daniel McDonald, Neil McNeeley, Lizzie. .... (Interim)	M.A., Queen's B.A., Queen's B.A., Tor.	Math. Eng., Hist. Eng., Hist.		1892 1895 1891 1897	1,100 00 800 00 700 00 600 00
Cayuga .....	Skeele, James Eton Seaton, Edward T. French, Bruce. .... (Interim)	B.A., Tor. B.A., Queen's B.A., Tor.	Math.		1897 1897 1899	950 00 800 00 500 00
Colborne .....	Bellamy, W. Folk, Henry J.	B.A., Vic.			1890 1894	925 00 600 00
Cornwall .....	Knight, Adolphus Gustavus. Nugent, James. Fitzgerald, Eliza Sophia McLean, Allan Edmund Birchard, Alexander Fraser	B.A. Vic. B.A., Queen's B.A., Queen's	Class., Eng., Hist. Class.		1897 1884 1899 1898 1898	1,300 00 900 00 1,100 00 800 00 650 00
Deseronto .....	Smellie, W. K. T.	B.A., Tor.	Sci.		1896	1,100 00

Dundas	Whyte, Robert Gundy, Henry Wentworth Reid, Joseph Hill, Richard J. Panton, Agnes Wilkie	B.A., Tor. B.A., Tor. M.A., LL.B., Tor. B.A., Queen's M.A., Queen's	Class. Class. Class. Class. Sci.	1896 1899 1894 1892 1892	750 00 550 00 1,200 00 850 00 550 00
Dunnville	Cooke, John A. Waines, William L. Robertson, George D. Reid, M. Ryckman	B.A., Queen's B.A., Queen's M.A., Queen's M.A., Queen's	Class. Class. Sci. Sci.	1896 1899 1893 1899	900 00 725 00 600 00 550 00
Dutton	Payne, John Charles Taylor, John Andrew Anglin, Robert W. McLeannan, Alexander L.	B.A., Tor. B.A., Queen's M.A., Queen's B.A., Queen's	Sci. Math. Math. Sci.	1896 1898 1898 1900	850 00 650 00 550 00 .....
Elora	McMurchy, Norman Carter, Janet Wishart. Durnin, George A.	B.A., Tor. M.A., Tor. B.A., Tor.	Sci. Fr., Ger. Fr., Gr.	1895 1895 1898	1,000 00 600 00 600 00
Eseex	Grassweller, Christopher L. Keith, George Walter Kirkwood, Florence Ethel	B.A., Tor. B.A., Tor. B.A., Tor.	Math. Math. Class.	1888 1898 1899	1,150 00 650 00 650 00
Fergus	Perry, Peter Campbell, Archibald L. Rowson, Alice Gertrude	M.A., Trin. B.A., Tor. B.A., Tor.	Class. Fr., Gr. Fr., Gr.	1889 1894 1896	1,000 00 750 00 500 00
Forest	Preston, Thomas Dandy, William Percy Tennant, Adelaide Emma	B.A., Tor. B.A., Tor. B.A., Tor.	Commercial (Interim). Eng., Hist., Fr., Gr.	1897 1897 1898	800 00 650 00 540 00
Gananoque	Graham, Robert George McPherson, Walter E. Wilson, W. Asbury	B.A., Vic. B.A., Tor. B.A., Queen's	Math. Eng., Hist., Fr., Ger. B.A., Queen's	1894 1897 1899	1,100 00 800 00 500 00
Georgetown	Coutts, Richard David Hutt, Janet M. Wetherald, Hubert M.	B.A., Tor. B.A., Tor. B.A., Tor.	Class. Class. Class.	1897 1894 1897	1,000 00 600 00 600 00
Glencoe	Morrow, John Duncanson Taylor, John Gladstone Weekes, Edith Annie Allin, Elizabeth	B.A., Tor. B.A., Tor. B.A., Tor. B.A., Tor.	Class. Math. Math. Fr., Gr.	1898 1900 1896 1899	850 00 600 00 450 00 500 00
Gravenhurst	Muldrew, William H. Patterson, Ruth Harrison, Charles W. Strang, Rose Innis	B.A., Queen's D. Ped. B.A., Tor. M.A., Vic.	Math., Sci. Math., Sci. M.A., Vic.	1894 1898 1894 1899	1,000 00 500 00 800 00 500 00

## LIST OF PRINCIPALS AND ASSISTANTS OF HIGH SCHOOLS (INCLUDING COLLEGIATE INSTITUTES), JANUARY 1900.

High Schools.	Principals and assistants.			Date of appointment.	Salary.
	Name.	Degree.	Specialists.		
Hagersville.....	Macnicol, James. Kaiser, Jesse B. Wright, Robert.	B.A., Tor.	.....	1892 1891 1896	\$ 950 00 750 00 600 00
Harrison.....	McMurchie, James. Leibner, Ernest. Martin, William. Nichols, Bessie H.	B.A., Tor. ..... B.A., Tor. B.A., Tor.	Math Sci. Class. Eng., Hist., Fr., Gr.	1881 1895 1899 1900	1,200 00 740 00 600 00 400 00
Hawkesbury.....	Shotwell, William. Wright, William George. Higginson, Maria Adelaide.	B.A., Tor. ..... .....	Fr., Ger.....(Interim). ..... .....	1897 1896 1897	1,000 00 600 00 475 00
Iroquois.....	Jackson, Joseph A. Stanley, Thomas E. A. Whyte, David. Rose, Nellie.	B.A., Vic B.A., Tor. B.A., Tor. .....	Math Sci. Fr., Ger	1893 1897 1899 1898	1,000 00 825 00 700 00 550 00
Kemptville.....	Dillane, William. Nelson, John. Emery, John W. Smith, Alexander William	B.A., Tor. B.A., Queen's. B.A., Tor. .....	Math Sci. Fr., Ger	1895 1896 1895 1900	1,050 00 650 00 650 00 600 00
Kincardine.....	Perry, Samuel Walter Gray, James. Norris, James. Ashwell, Annie Eliza	B.A., Vic M.A., Tor. M.A., Queen's. B.A., Tor.	Class. Math Eng., Fr., Ger	1890 1890 1894 1899	1,200 00 700 00 900 00 600 00
Leamington.....	Elliott, John. Bonis, Harry. Scratch, Lennie M. Weidenhammer, Frederick J.	B.A., Queen's B.A., Tor. ..... B.A., Tor.	Eng., Hist., Math Class Sci. Fr., Ger.....(Interim).	1896 1899 1896 1897	1,100 00 700 00 650 00 650 00
Listowel.....	Phillips, William Alexander. Nichol, William Wallace. Stoddart, Robert	B.A., Tor. B.A., Tor. B.A., Tor.	Eng., Hist., Fr., Ger Math Class	1892 1898 1898	1,000 00 750 00 650 00



Lucan . . . . .	Stuart, Frederick Alfred . . . . .	B. A., Tor . . . . .	Sci. . . . .	1897	1,000 00
	Tier, William . . . . .	M. A., Tor . . . . .	Math . . . . .	1896	750 00
	Burnham, Archibald Mcwbray . . . . . (Interim)	B. A., Tor . . . . .	Eng., Hist., Fr., Ger . . . . .	1900	600 00
Madoc . . . . .	Watson, Alexander H . . . . .	B. A., Tor . . . . .	Sci. . . . .	1889	1,100 00
	Ivey, Thomas J . . . . .	M. A., Tor . . . . .	Sci. . . . .	1896	750 00
Markham . . . . .	Reed, George Henry . . . . .	B. A., Tor.: B. Pæd. . . . .	Class. . . . .	1890	1,000 00
	Maclean, Godwin . . . . .	M. A., Tor . . . . .	Math . . . . .	1889	600 00
	Annis, Mary . . . . .	B. A., Tor . . . . .	Fr., Ger . . . . . (Interim)	1895	525 00
	Miller, Nannie, M. A. . . . .	B. A., Tor . . . . .	Eng., Hist . . . . .	1894	475 00
	Steer, Albert B. . . . .	B. A., Tor . . . . .	Eng., Hist . . . . .	1899	500 00
Meaford . . . . .	Mowat, Alexander . . . . .	B. A., Tor . . . . .	Sci. . . . .	1892	1,100 00
	Huff, Samuel . . . . .	B. A., Tor . . . . .	Sci. . . . .	1891	750 00
	Dundas, Arthur A. . . . .	B. A., Tor . . . . .	Eng., Hist., Fr., Ger . . . . .	1897	650 00
	Dingle Grace Keam . . . . .	B. A., Tor . . . . .	Eng., Hist., Fr., Ger . . . . .	1900	500 00
Mitchell . . . . .	Elliot, William . . . . .	B. A., Tor . . . . .	Math . . . . .	1882	1,050 00
	Fry, Frank De Witt . . . . .	B. A., Tor . . . . .	Eng., Hist., Fr., Ger. (Interim)	1895	850 00
	May, William F . . . . .	B. A., Tor . . . . .	Eng., Hist., Fr., Ger. (Interim)	1895	750 00
Mount Forest . . . . .	Brethour, John Henry . . . . .	B. A., Vic . . . . .	Class . . . . .	1891	1,100 00
	Pearson, Alexander . . . . .	B. A., Tor . . . . .	Class . . . . .	1895	725 00
	McCutcheon, Frederick William Caswell . . . . .	B. A., Tor . . . . .	Math., Eng., Hist . . . . .	1897	725 00
	Clapp, Florence H. . . . . (Interim)	B. A., Tor . . . . .	Math., Eng., Hist . . . . .	1900	300 00
Newburgh . . . . .	Nesbit, David Ashton . . . . .	B. A., Queen's . . . . .	Sci. . . . . (Interim)	1893	1,000 00
	Brown, Percy W . . . . .	B. A., Queen's . . . . .	Sci. . . . . (Interim)	1898	550 00
	Denyes, James Malcolm . . . . . (Interim)	B. A., Queen's . . . . .	Sci. . . . . (Interim)	1898	550 00
Newcastle . . . . .	Davidson, Hugh . . . . .	B. A., Tor . . . . .	Sci. . . . .	1886	825 00
	Cathro, Elizabeth Don . . . . .	B. A., Tor . . . . .	Sci. . . . .	1898	400 00
Newmarket . . . . .	Coombs, Ernest . . . . .	M. A., Tor.: B. Pæd. . . . .	Class . . . . .	1889	1,000 00
	Hollingshead, John Edwin . . . . .	M. A., Tor.: B. Pæd. . . . .	Class . . . . .	1884	700 00
	Starr, Hannah Jane . . . . . (Interim)	M. A., Tor.: B. Pæd. . . . .	Class . . . . .	1898	450 00
Niagara . . . . .	Ireland, William W . . . . .	B. A., Mtha . . . . .	Math . . . . .	1898	800 00
	Carnochan, Janet . . . . .	B. A., Mtha . . . . .	Math . . . . .	1878	450 00
Niagara Falls South . . . . .	Sherin, Frederick . . . . .	M. A., Vic . . . . .	Math . . . . .	1894	1,000 00
	McMannus, Emily . . . . .	M. A., Queen's . . . . .	Eng., Hist . . . . .	1895	600 00
	Martin, John Moore . . . . .	B. A., Tor . . . . .	Sci. . . . .	1899	600 00
Norwood . . . . .	Davidson, John . . . . .	M. A., LL.B., Vic . . . . .	Class. . . . .	1882	1,100 00
	Graham, Peter Edwin . . . . . (Interim)	B. A., Queen's . . . . .	Fr., Ger . . . . .	1899	600 00
	Merritt, Robert Morris . . . . . (Interim)	B. A., Tor . . . . .	Math. . . . .	1899	600 00
Oakville . . . . .	Wellwood, Nesbitt John . . . . .	B. A., Tor . . . . .	Math. . . . .	1877	1,050 00
	Lusk, Charles Horace . . . . .	B. A., Tor . . . . .	Math. . . . .	1870	750 00

## LIST OF PRINCIPALS AND ASSISTANTS OF HIGH SCHOOLS (INCLUDING COLLEGIATE INSTITUTES), JANUARY, 1900.

High Schools.	Principals and assistants.			Date of appointment.	Salary.
	Name.	Degree.	Specialists.		
Omamee	Jardine, William Wilson.	B.A., Tor.	Sci.	1897	\$ c. 800 00
	Morgan, John James.	B.A., Vic.		1896	600 00
Orangeville	Steele, Alexander.	B.A., Tor.	Eng., Hist., Math.	1879	1,400 00
	Jenkins, Robert Smith.	M.A., Tor.	Class., Fr. Ger.	1894	800 00
	Lee, Samuel Carson.	B.A., Trin.	Sci. (Interim).	1897	700 00
	Clarke, Frederick Hall.	B.A., Tor.	Eng., Hist., Fr., Ger. (Interim)	1895	700 00
	McBride, Frederick N.	(Interim)		1899	400 00
	Dickson, John Elder.	B.A., Tor.	Class., Eng., Hist.	1899	1,200 00
Orillia	Rogers, George Franklin.	B.A., Vic.	Sci.	1894	800 00
	Doidge, Thomas Clarke.	B.A., Tor.	Math., Com. (Interim)	1899	800 00
	Langrill, Adelaide Jane.	B.A., Tor.	Eng., Hist., Fr., Ger.	1899	600 00
	Beaton, Kate Florence.	B.A., Queen's		1899	600 00
	Smith, Lyman C.	B.A., Vic.	Class., Eng., Hist.	1892	1,300 00
	Slemmon, Edward T.	B.A., Vic.	Math.	1892	950 00
Oshawa	Riddell, Agnes Rutherford.	M.A., Tor.	Eng., Hist., Fr., Ger.	1898	600 00
	Panton, Jessie R.			1886	650 00
	Kinver, Maggie M.			1895	500 00
	Bell, Walter N.	B.A., Tor.	Class	1898	1,200 00
	Armstrong, George H.			1875	900 00
	Wilson, Thomas Matheson.	B.A., Tor.	Sci.	1898	700 00
Parkhill.	McDongall, Neil.	B.A., Tor.	Sci. (Interim).	1897	800 00
	Libby, Minnie Tennessey.	B.A., Vic.	Eng., Hist.	1895	600 00
	McKinley, James Mathew.	B.A., Tor.		1899	550 00
Pembroke.	Ross, Ralph.	B.A., Tor.	Class.	1895	1,100 00
	Standing, Thomas W.	B.A., Tor.	Math.	1895	800 00
	Shirreff, Robert Marshall.		Fr., Ger. (Interim).	1895	750 00
	Miller, May.			1895	600 00
Petrolia.	Bell, John Johnstone.	B.A., Tor.		1888	1,200 00
	Clyde, William.	M.A., Queen's		1888	1,050 00
	Montgomery, William.	B.A., Tor.	Math.	1889	900 00

	Brown, Harry W.	B.A., Tor.	Eng., Hist., Fr., Ger. (Intr'm)	1894	850 00
	Dobson, Robert	B.A., Vic	Math.	1880	1,200 00
	Morden, Gilbert Walworth	B.A., Queen's	Sci.	1895	1,000 00
	Hendrick, Archer W.	B.A., Tor.		1897	900 00
	Ackerman, Effie M.	B.A., Tor.		1897	650 00
	Dolan, John H.	B.A., Queen's	Class.	1899	700 00
	McCulloch, Andrew	M.A., Queen's		1895	1,200 00
	Morgan, James William		Eng., Hist.	1890	1,000 00
	Liddy, William R.	B.A., Tor.	Sci. (Interim)	1899	800 00
	Martin, John Strickler	B.A., Tor.		1899	600 00
	Lillie, John Turner	B.A., Vic	Class.	1889	1,200 00
	Innes, Alexander R.			1892	750 00
	Mitchell, John Worth			1897	60 00
	Kirkconnell, Thomas A.	B.A., Queen's	Math.	1888	1,200 00
	Mabee, George E.	B.A., Tor.	Fr., Ger.	1894	900 00
	Weir, Annie	B.A., Tor.	Eng., Hist., Fr., Ger.	1897	780 00
	Breuls, Ira D.		Sci. (Interim)	1896	850 00
	Moir, Katharine Elizabeth			1896	550 00
	McBride, Dugald	B.A., Vic	Class., Math.	1871	1,300 00
	Stone, George			1883	850 00
	MacArthur, Christina M.			1895	600 00
	Underhill, James A.			1895	575 00
	Pugsley, Edmund	B.A., Vic	Sci.	1896	850 00
	Morgan, Lewis Jessie		Fr., Ger.	1899	350 00
	Rose, Robert Charles	B.A., Tor	Math.	1896	1,000 00
	McKim, William Andrew	B.A., Tor	Ec-g., Hist., Fr., Ger. (Intr'm)	1897	700 00
	Chase, Reginald Melville	B.A., Tor	Class.	1899	550 00
	McDowell, Charles	B.A., Queen's	Math.	1879	1,050 00
	Bryan, Hugh Wallace	M.A., Queen's	Class. (Interim)	1897	800 00
	Ewing, William Campbell	M.A., Queen's	Sci.	1896	700 00
	Menish, Jean Isabel	B.A., Queen's		1898	500 00
	Davidson, Jean		Eng., Hist., Fr., Gr.	1899	475 00
	Farquharson, Robert Andrew	B.A., Queen's	Eng., Hist., Fr., Ger. (Intr'm)	1899	900 00
	Johnston, Frederick James	B.A., Tor	Sci. (Intr'm)	1898	600 00
	Christie, James Douglas	B.A., Tor	Eng., His., Fr., Ger.	1889	1,300 00
	Power, John Francis	M.A., Queen's	Sci. (Interim)	1897	800 00
	Galbraith, Robert	B.A., Queen's	Math.	1899	750 00
	Thompson, John Fletcher	B.A., Tor	Class.	1899	650 00
	Houston, John Arthur	M.A., Trin.	Math.	1887	1,200 00
Pictou					
Port Arthur					
Port Dover					
Port Elgin					
Port Hope					
Port Perry					
Port Rowan					
Prescott					
Renfrew					
Richmond Hill					
Simcoe					
Smith's Falls					



## LIST OF PRINCIPALS AND ASSISTANTS OF HIGH SCHOOLS (INCLUDING COLLEGIATE INSTITUTES), JANUARY, 1900.

High Schools.	Principals and assistants.				Date of appointment.	Salary.
	Name.	Degree.	Specialists.			
Smith's Falls.	Stubbs, Samuel James. Johnston, John Kenneth. Kyeckman, E. Edith. ..... (Interim)	B.A., Tor. M.A., Queen's. B.A., Tor.	Eng., Hist., (Interim), Class Sci. (Interim)		1897 1897 1899	750 00 700 00 500 00
Smithville.	Tremer, James McArthur, Edith M. Bridgman, Clara M. ..... (Interim)	B.A., Vic.	Class.		1898 1898 1898	950 00 975 00 975 00
Siding.	Kennedy, George E. Rutherford, Walter Richard	B.A., Vic. B.A., Tor.	Sci. (Interim) Class, Eng., Fr., Ger.		1893 1899	900 00 750 00
Stratonsville.	Cameron, Aldis W. Forbes, John William	B.A., Tor. B.A., Tor.	Eng., Hist. Math.		1898 1896	800 00 650 00
Sydenham.	Flach, Ulysses J. Harvey, William Blakely Spoonor, Armon Cortez ..... (Interim)	M.A., Tor. B.A. Queen's	Math. Eng., Hist., Fr., Ger		1895 1890 1897	1,000 00 800 00 500 00
Thorold.	Bald, William Francis Smith, Margaret T. Hubner Carefoot, George A. ..... (Interim)	B.A., LL.B. Tor.	Class. Sci.		1897 1898 1898	1,000 00 600 00 700 00
Tilsburg.	Ross, Alexander H. D. Auld, Charles McIntyre, Alexander Duff ..... (Interim)	M.A., Queen's B.A., Tor. B.A., Tor.	Sci., Math. Math. (Interim)		1896 1898 1899	950 00 700 00 600 00
Toro to Junction.	Colbeck, Franklin Charles Gourlay, Richard Eastwood, Ida Gertrude Chrysler, Minton A. Page, Ralph Barlow ..... (Interim)	B.A., Vic. B.A., Tor. B.A., Tor. B.A., Tor.	Class., Eng., Hist. Class., Math. Eng., Hist., Fr., Ger Sci.		1894 1893 1892 1895	1,350 00 1,000 00 1,000 00 900 00
Trenton.	Ingall, Elmer Ellsworth Longman, Edwin. Pattee, Ada	B.A., Tor.	Eng., Hist., Fr., Ger		1895 1892 1890	1,025 00 750 00 725 00
Uxbridge.	Park, Henry George. Wagar, Gardiner Lincoln Barr, Lydia Struthers, Jean.	B.A., Tor. B.A., Tor.	Class. (Interim). Math (Interim)		1887 1900 1891 1895	1,000 00 650 00 500 00 500 00

Vankleekbill	Jamieson, Thomas Might, Lincoln Clochier, James O McKinnon, Charles (Interim)	B.A., Vic.	Math Sci. (Interim) Fr., Ger. (Interim)	1889 1892 1895 1899	900 00 630 00 550 00 500 00
Vienna	McGregor, J. O Voaden, John B.	M.A., Tor.		1898 1894	750 00 475 00
Walkerton	Morgan, Joseph Witton, James Gayford Field, John, Morden Conn, Henry	M.A., Tor. B.A., Tor. B.A., Tor. B.A., Tor.	Class Math Eng., Hist., Fr., Ger Sci.	1881 1895 1896 1898	1,200 00 1,300 00 850 00 800 00
Wardville	Weidenhammer, William B Balls, George Herbert (Interim)	B.A., Tor. B.A., Tor.	Eng., Hist., Fr., Germ.	1896 1899	825 00 500 00
Watdown	Freeman, John Alexander Ferguson, Miles Aitchison, Belle	B.A., Tor.	Class Math	1893 1896 1897	950 00 600 00 400 00
Waterford	Wille, John Hudson Clapp, Charles R. McPherson, Hattie Georgina (Interim)	M.A., Queen's B.A., Queen's	Class Fr., Ger.	1899 1893 1900	1,000 00 700 00 400 00
Watford	Potter, Charles Race, Wilfred Ballentine Reid Minerva E Williams, Lorne Joseph (Interim)	B.A., Tor.	Math	1892 1893 1896 1898	1,000 00 750 00 500 00 475 00
Welland	McCueig, Herbert M. McNiece, James Laven, Alta F. Foster, Jessie	B.A., Queen's B.A., Tor.	Sci Fr., Ger. (Interim)	1891 1896 1893 1899	1,100 00 800 00 550 00 500 00
Weston	Elliott, Thomas E Leighton, Robert H	B.A., Tor.	Eng., Hist., Fr., Ger	1890 1895	1,000 00 600 00
Warton	Snell, Joseph A Baines, Archibald W Bowes, Ella (Interim)	M.A., Queen's B.A., Trin. B.A., Tor.	Math Eng., Hist., Fr., Ger	1895 1895 1899	1,050 00 600 00 500 00
Williamstown	MacDonald, James Witheril, Ebenezer Rufus Robertson, Alexander Morton	M.A., Queen's B.A., Queen's M.A., Queen's	Class Math., Fr., Ger. (Interim)	1898 1895 1897	1,000 00 750 00 700 00

## RECAPITULATION.

Number of schools. Sex of teachers.	Number of teachers.	Salaries.		Universities, etc., of teachers.	Date of Appointment.
		COLLEGIATE INSTITUTES.			
Collegiate Institutes High Schools	37 93	Highest salary Average " H.M. A.M.	\$2,500 00 1,560 00 997 00	Toronto Victoria Queen's Trinity	1.....1866 2.....1870 2.....1871 3.....1872
	260	Average salary	\$1,073 00	McGill McMaster British American Interim Specialists B. Paed	1.....1873 2.....1874 3.....1875 3.....1876 1.....1877 1.....1878 2.....1879 3.....1880
	130				
		GRAND TOTAL.		568	
TEACHERS.	Gentlemen Ladies Total	HIGH SCHOOLS.		HIGH SCHOOLS.	
		Highest salary Average " H.M. A.M.	\$1,400 00 1,086 00 663 00	Toronto Victoria Queen's Trinity McMaster Mtba British Interim Specialists D. Paed B. Paed	135 25 55 7 1 1 1 97 203 1 2
		Average salary	\$778 00		
		GRAND TOTAL.		GRAND TOTAL.	
	130 438 568	Highest salary Average " H.M. A.M.	\$2,500 00 1,186 00 834 00	Toronto Victoria Queen's Trinity McGill McMaster Mtba British American Interim Specialists D. Paed B. Paed	283 40 84 14 1 2 1 2 1 137 426 1 3
		Average salary	\$914 00		



APPENDIX O.—UNIVERSITY OF TORONTO; COUNCIL OF THE UNIVERSITY OF TORONTO; COUNCIL OF UNIVERSITY COLLEGE; SCHOOL OF PRACTICAL SCIENCE.

1. ANNUAL REPORT OF THE UNIVERSITY OF TORONTO, 1898-99.

To His Honor, the Honorable Sir Oliver Mowat, K.C.M.G., Lieutenant-Governor of the Province of Ontario, Visitor of the University of Toronto,

MAY IT PLEASE YOUR HONOR :

The Chancellor, Vice-Chancellor, and members of the Senate of the University of Toronto. have the honor to present their report upon the condition and progress of the University for the year 1898-99.

The following tabulated statement of the admission to degrees, and *ad eundem statum* and of the members who matriculated in the different Faculties from June, 1898, to June, 1899, is submitted :—

*Law—*

Matriculation .....	2
Degree of LL.B. ....	4
Degree of LL.D. ....	7

*Medicine—*

Matriculation .....	45
<i>Ad eundem statum</i> , from the College of Physicians and Surgeons ..	9
<i>Ad eundem statum</i> , from other Universities .....	2
Degree of M.B. ....	51
Degree of M.D. ....	2

*Arts—*

Matriculation .....	217
<i>Ad eundem statum</i> , from other Universities .....	7
Degree of B.A. ....	164
Degree of M.A. ....	17

*Agriculture—*

Degree of B.S.A. ....	9
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*Pedagogy—*

Degree of D. Paed. ....	3
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*Dentistry—*

Matriculation .....	5
<i>Ad eundem statum</i> , from the Royal College of Dental Surgeons ..	69
Degree of D.D.S. ....	72

*Music—*

Matriculation .....	5
Degree of Mus. Bac. ....	3

*Pharmacy—*

Matriculation .....	..
<i>Ad eundem statum</i> , from the Ontario College of Pharmacy ..	63
Degree of Phm. B. ....	62

*Applied Science—*

Degree of B.A.Sc. ....	6
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During the year thirteen hundred and thirty-four candidates were examined in the different Faculties and Departments, as follows :

Faculty of Law .....	6
Faculty of Medicine.....	190
Faculty of Arts .....	905
Department of Agriculture.....	11
Department of Pedagogy .....	6
Department of Dentistry .....	137
Department of Music .....	10
Department of Pharmacy .....	63
Department of Applied Science .....	6
Total.....	1,334

W. MULOCK,  
Vice-Chancellor.

TORONTO, December 28th, 1899.

## 2. ANNUAL REPORT OF THE COUNCIL OF THE UNIVERSITY OF TORONTO.

*To His Honor, the Honorable Sir Oliver Mowat, K.C.M.G., Lieutenant-Governor of the Province of Ontario, Visitor of the University of Toronto :*

MAY IT PLEASE YOUR HONOR :

The Council of the University of Toronto begs leave to present to your Honor the following report for the academic year ending with the 30th of June, 1899.

For some years past the Departments of Psychology and Physics have been in urgent need of increased accommodation for lecture rooms and laboratories. Previously to the present session it has been impossible to provide for these requirements. Owing to the closing of the University College residence, however, the Council has been enabled to make arrangements for the utilization of a portion of the residence wing for this purpose. Several vacant rooms have been fitted up at small expense, and thus temporary facilities have been furnished for some of the more pressing needs of these Departments, as well as for the work of advanced students, both graduate and undergraduate, who are prosecuting researches under the direction of the staff.

In consequence of the increased numbers of students in several Departments, there is a growing need for two large lecture-rooms, similar to those in the Chemical and Biological Buildings. This want is especially felt in the Departments of History and Psychology. Hitherto these Departments have been obliged to make use of the examination halls in the main building, which are extremely unsuitable for lecture purposes.

The Council begs to direct the attention of your Honor to the increased necessity which exists for the re-organization of the Department of Mineralogy and Geology and for its establishment on a basis commensurate with the importance of these subjects of study, and on a parallel with the provision which has been made for the teaching of the other sciences.

With the close of the academic session, Dr. Pike severed his connection with the University, after almost twenty years of service as Professor of Chemistry. Under his administration the Department of Chemistry has made remarkable progress ; especially in the practical work of the laboratory and in the introduction and encouragement of the work of research. Under his direction also the present Chemical Building was erected, and its admirable arrangements are almost wholly owing to his skill and foresight.

Hereto is appended the list of the Faculties in Arts and Medicine, together with the numbers of students in the various branches :—

*Staff, 1898-1899.*

*Faculties of Arts and Law.*

President, James Loudon, M.A., LL.D.

*Physics—*

Professor, James Loudon, M.A., LL.D.

Demonstrator, W. J. Loudon, B.A.

Lecturer, C. A. Chant, B.A.

Assistant-Demonstrator, J. O. McLennan, B.A.

*Mathematics—*

Professor, Alfred Baker, M.A.

Lecturer, A. T. DeLury, B.A.

Fellow, H. J. Dawson, B.A.

*Chemistry—*

Professor, W. H. Pike, M.A., Ph.D.

Lecturer, W. L. Miller, B.A., Ph.D.

Lecturer, F. J. Smale, B.A., Ph.D.

Assistant, F. B. Allan, B.A.

Lecture-Assistant, F. B. Kenrick, B.A., Ph.D.

*Biology—*

Professor, R. Ramsay Wright, M.A., B.Sc.

Lecturer, E. C. Jeffrey, B.A., Ph.D.

Assistant-Demonstrator, R. R. Bensley, B.A., M.B.

Fellow, J. Stafford, B.A., Ph.D.

*Physiology—*

Associate-Professor, A. B. Macallum, M.A., M.B., Ph.D.

*Mineralogy and Geology—*

Acting-Professor, A. P. Coleman, M.A., Ph.D.

Instructor, W. A. Parks, B.A.

*Comparative Philology—*

Professor, Maurice Hutton, M.A.

*History and Ethnology—*

Professor, G. M. Wrong, M.A.

*Political Economy and Constitutional History—*

Professor, James Mavor.

Fellow, S. M. Wickett, B.A., Ph.D.

Mackenzie Fellow in Political Science, A. W. Hunter, B.A.

Mackenzie Fellow in Political Science, J. R. Perry, M.A.

*Philosophy—*

Professor of History of Philosophy, J. G. Hume, M.A., Ph.D.

Lecturer and Demonstrator, A. Kirschmann, Ph.D.

Lecturer, F. Tracy, B.A., Ph.D.

Instructor, A. H. Abbott, B.A.

*Italian and Spanish—*

Associate-Professor, W. H. Fraser, B.A.

Instructor in Spanish, P. Toews, M.A., Ph.D.

Instructor in Italian, E. J. Sacco.

*Roman Law, General Jurisprudence and History of English Law—*

Professor, Hon. William Proudfoot.

*Constitutional and International Law—*

Professor, Hon. David Mills.



The following tables exhibit the numbers attending the pass and honor lectures in University subjects.

PASS.

Subjects.	Mathematics.	Physics.	Chemistry.	Biology.	Mineralogy and Geology.	Philosophy.	Logic.	Political Science.	History.
First year .....	132	37	6	85	35	138	128	40	80
Second year .....		6	9					37	
Third Year .....		7						65	31
Fourth year .....	30					32			
Totals .....	162	50	9	85	35	170	128	105	148

In no case do the numbers given above include honor students. Instruction in Physics, Biology and Chemistry was given to 63 students of the first year in Medicine, and in Physics to 73 students of the first year and to 40 students of the second year in the School of Practical Science.

HONOR.

Subjects.	Mathematics.	Physics.	Chemistry.	Biology.	Mineralogy and Geology.	Philosophy.	Political Science.	History.	Spanish.	Italian.	Phonetics.
First year .....	36	42	55	15	14	18	24	27	13	44	47
Second year .....	52	32	33	12	13	20	24	48	4	21	
Third year .....	13	18	17	12	2	16	24	48	2	6	
Fourth year .....	7	12	3	11							
Totals .....	108	104	108	50	29	54	72	123	23	85	47

The second year lectures in Chemistry and the fourth year lectures in Biology were attended by 49 students of the second year in Medicine. Instruction in Mathematics was given to 73 students of the first year and to 40 students of the second year in the School of Practical Science.

The following table exhibits the numbers taking the practical work in the laboratories of the University :

Laboratories.	Physical.	Chemical.	Mineralogical.	Biological.	Psychological.
Fourth year .....	12	3	2	11	16
Third year .....	18	17	13	12	15
Second year .....	13	33	14	12	
First year .....	17	15		15	
Totals .....	60	68	29	50	31

Practical instruction in Chemistry and Biology was given to 63 students of the first year and to 49 students of the second year in Medicine, and in Physics to 85 students of the School of Practical Science. During the session eleven graduates in Arts were engaged in original research in the Psychological Laboratory and one in the Biological Laboratory.

The members of the teaching staff in Medicine for the past session were as follows:—

#### FACULTY OF MEDICINE.

##### Professores Emeriti.

James Thorburn, M.D.

M. H. Aikins, B.A., M.D.

W. W. Ogden, M.D.

J. H. Richardson, M.D.

##### *Professor of Surgery and Clinical Surgery—*

I. H. Cameron, M.B., Tor.

##### *Associate-Professor of Surgery and Clinical Surgery—*

G. A. Peters, M.B. Tor., F.R.C.S., Eng.

##### *Associate Professors of Clinical Surgery—*

A. Primrose, M.B., C.M., Edin.

B. Spencer, M.D., Tor.

L. M. Sweetnam, M.B., Tor.

H. A. Bruce, M.B., Tor., F.R.C.S. Eng.

W. Oldwright, M.A., M.D., Tor.

##### *Professor and Director of the Anatomical Department—*

A. Primrose, M.B., C.M., Edin.

##### *Associate-Professor of Anatomy—*

H. Wilberforce Aikins, B.A., M.B., Tor.

##### *Lecturer and Senior Demonstrator of Anatomy—*

F. N. G. Starr, M.B. Tor.

##### *Assistant-Demonstrators of Anatomy—*

A. R. Gordon, M.B., Tor.

R. D. Rudolf, M.D., C.M., Edin.

A. A. Small, M.B., Tor.

Clarence L. Starr, M.B., Tor.

K. C. McIlwraith, M.B., Tor.

W. J. McCollum, M.B., Tor.

##### *Professor of Medicine and Clinical Medicine—*

J. E. Graham, M.D., Tor., M.R.C.P., Lon.

##### *Associate Professors of Medicine and Clinical Medicine—*

A. McPhedran, M.B., Tor.

W. P. Caven, M.B., Tor.

##### *Lecturers on Diseases in Children and Clinical Medicine—*

H. T. Machell, M.D., Tor.

W. B. Thistle, M.B., Tor.

##### *Lecturers in Clinical Medicine—*

R. J. Dwyer, M.B., Tor.

G. Boyd, B.A., M.B., Tor.

##### *Professor of Pathology and Bacteriology—*

John Caven, B.A., M.D., Tor.

##### *Lecturer on Bacteriology—*

J. J. Mackenzie, B.A., Tor.

*Demonstrator on Pathology—*

John Amyot, M.B., Tor.

*Assistant-Demonstrator on Pathology—*

John Stenhouse, M.A., B. Sc, Edin., M.B., Tor.

*Laboratory Assistant in Bacteriology—*

W. Goldie, M.B., Tor.

*Professor of Materia Medica and Therapeutics—*

James M. MacCallum, B.A., M.D., Tor.

*Associate-Professor of Pharmacology and Therapeutics—*

C. F. Heebner, Phm. B., Tor.

*Professor of Gynæcology—*

U. Ogden, M.D., Tor.

*Professor of Obstetrics—*

A. H. Wright, B.A., M.D., Tor.

*Associate-Professor of Gynæcology—*

J. F. W. Ross, M.B., Tor.

*Professor of Ophthalmology and Otology—*

R. A. Reeve, B.A., M.D., Tor.

*Associate-Professor of Ophthalmology and Otology—*

G. H. Burnham, M.D. Tor., F.R.S.C., Edin.

*Associate-Professor of Laryngology and Rhinology—*

G. R. McDonagh, M.D., Tor.

*Professor of Hygiene—*

W. Oldwright, M.A., M.D., Tor.

*Associate-Professor of Toxicology—*

W. H. Ellis, M.A., M.D., Tor.

*Associate-Professor of Medical Jurisprudence—*

Bertram Spencer, M.D., Tor.

*Lecturer on Medical Jurisprudence—*

Hon. David Mills, L.L.B., Q.C.

*Extra-Mural Professor of Mental Diseases—*

Daniel Clark, M.D., Tor.

*Professor of Physics—*

James Loudon, M.A., LL.D.

*Lecturer on Physics—*

C. A. Chant, B.A.

*Professor of Chemistry—*

W. H. Pike, M. A., Oxon., Ph. D. Göttingen.

*Lecturers on Chemistry—*

W. L. Miller, B.A., Ph. D., Munich.

F. J. Smale, B.A., Ph. D., Leipzig.

*Lecture-Assistant in Chemistry—*

F. B. Kenrick, B.A., Ph. D. Leipzig.

*Professor of Biology—*

R. Ramsay Wright, M.A., B. Sc., Edin.

*Assistant-Demonstrator in Biology—*

R. R. Bensley, B.A., M.B., Tor.

*Professor of Physiology—*

A. B. Macallum, B.A., M.B., Tor., Ph. D., Johns Hopkins.



The following table exhibits the number of the students registered as in attendance upon the lectures given by the staff of the Faculty of Medicine:—

Students of the fourth year.....	55
Students of the third year.....	56
Students of the second year.....	54
Students of the first year.....	73
Occasional students.....	70
Total .....	308

J. LOUDON,

President.

TORONTO, February, 1900

### 3. ANNUAL REPORT OF THE COUNCIL OF UNIVERSITY COLLEGE, 1898-99.

*To His Honor, the Honorable Sir Oliver Mowat, K.C.M.G., Lieutenant Governor of the Province of Ontario, Visitor of University College;*

MAY IT PLEASE YOUR HONOR:

The President and Council of University College beg leave to present to your Honor the following report for the academic year 1898-99.

In pursuance of a resolution adopted to that effect on the 10th of June, 1899, the College Residence for male students, which had been carried on for many years under the direction of the Council, was discontinued at the close of the academic year. This step was taken by the Council because owing to various circumstances the numbers of those taking advantage of its facilities gradually decreased, and it was found impossible to maintain the institution without financial loss. Although the maintenance of a Residence in connection with the College is desirable on several grounds, it is the opinion of the Council that, owing to the smallness and unsuitability of the present building, the state of disrepair into which it has fallen through the lapse of time, and the improbability of making it attract any considerable number of students even if thoroughly reconstructed, any expenditure of money upon the present building to make it serve the purposes of a Residence, would be unwarranted. In addition to this there are certain requirements in the way of accommodation for teaching purposes which, in the opinion of the Council, may, at least in part and in a temporary manner, be provided for by the space rendered available by the closing of the Residence. Among the requirements are large lecture-rooms for the teaching of English, History and Psychology, as well as additional laboratory accommodation for the teaching of Physics and Psychology. A portion of the building has been granted temporarily to the Council of the University of Toronto for the latter purpose. The question of providing new residence accommodation for male students has for some time been under the consideration of the Council, and in view of the inadvisability of repairing or extending the present building for this purpose, it is recommended that any further erection of a residence building or of residence buildings for male students should be made at some little distance from the main building. A site north of Hoskin avenue appears to the Council as the most desirable.

The matter of residence accommodation, facilities for gymnastic exercises and a recreation ground for the women students has been many times brought to the attention of the Council, and it is the opinion of that body that some provision of this nature is urgently required and cannot long be delayed. There were during the session 170 women students in attendance in University College, and hitherto it has been possible to make only the most inadequate provision for exercise and recreation, whilst on the other

and the provision made for the male students in these respects is comparatively satisfactory, and has been made at a considerable outlay of funds. This disparity has been complained of by the women students, and cannot in the opinion of the Council be continued without affecting adversely the interests of the College. The Council has had under consideration the question of setting apart a portion of land for the erection of a residence and gymnasium for women students and the provision of convenient recreation grounds, and it has been decided, after consideration of the whole question of providing residences for men and women students, that the most desirable location for the purpose of a women's residence is the plot of ground situated on the north side of Czar street, which the Senate and Board of Trustees some years ago recommended should be reserved for this purpose.

The Council desires further to call attention to the necessity for further teaching assistance in the department of English. For some years assistance has been obtained, at a nominal expense in the heavy work of examining essays sent in by the students of the first and second years; but the aid so provided is quite inadequate. In the opinion of the Council, for the more satisfactory performance of this and other work of the department, a permanent addition to the staff is required.

The following information with regard to the staff and numbers of students in attendance in the various branches is appended:—

*Staff 1898-1899.*

President, James London, M.A., LL.D.

*Greek:—*

Professor, Maurice Hutton, M.A.

Lecturer, A. Carruthers, M.A.

*Latin:—*

Professor, J. Fletcher, M.A., LL.D.

Lecturer, W. S. Milner, M.A.

Lecturer, G. W. Johnston, B.A., Ph.D.

*English:*

Professor, W. J. Alexander, B.A., Ph.D.

Lecturer, D. R. Keys, M.A.

*French:—*

Associate Professor, John Squair, B.A.

Lecturer, John Home Cameron, M.A.,

Instructor, St. Elme de Champ.

*German:*

Associate Professor, W. H. VanderSmitten, M.A.

Lecturer, G. H. Needler, B.A., Ph.D.

Instructor, P. Toews, M.A., Ph.D.

*Oriental Languages:*

Professor, J. F. McCurdy, Ph.D., LL.D.

Lecturer, R. C. Murison, M.A., B.D.

*Ethics:*

Professor, J. G. Hume, M.A., Ph.D.

The numbers of registered students taking full or partial courses in University College were as follows :—

	Fourth year.	Third year.	Second year.	First year.	Post-graduate.	Total.
Matriculated students .....	129	108	102	102	.....	441
Occasional students .....	26	25	21	70	.....	142
Extra-mural students .....	.....	4	6	6	.....	16
Graduated students .....	5	2	2	1	3	13
Totals .....	160	139	131	179	3	612

The following tables exhibit the number of students attending the pass and honor lectures in University College subjects :

## PASS.

	Greek.	Latin.	English.	French.	German.	Oriental.	Ethics.	Ancient History.
Fourth year .....	7	25	54	28	11	4	.....	.....
Third year .....	5	26	67	21	12	6	38	.....
Second year .....	20	70	65	38	35	9	.....	.....
First year .....	24	113	105	64	47	28	.....	105
Totals .....	56	234	291	151	105	47	38	105

## HONOR.

	Greek.	Latin.	English.	French.	German.	Oriental.	Ethics.	Ancient History.
Fourth year .....	12	12	49	21	19	3	10	.....
Third year .....	8	11	27	23	21	4	29	.....
Second year .....	10	9	36	21	17	4	.....	50
First year .....	18	27	77	53	48	.....	.....	27
Totals .....	48	59	189	118	105	11	39	77

All of which is respectfully submitted.

J. LOUDON,  
President.

Toronto, January, 1900.

## 4. ANNUAL REPORT OF THE SCHOOL OF PRACTICAL SCIENCE.

To the Hon. R. Harcourt, M. P. P., Minister of Education :

SIR,—I have the honor to submit the annual report of the School of Practical Science for the year 1899.

The calendar year not being conterminous with the academic year, this report will cover the second term of the academic year 1898-9 and the first term of the academic year 1899-1900, except when otherwise stated.



The number of students in attendance at the School was as follows :

#### SCHOOL OF SCIENCE STUDENTS

	2nd. Term Session 1898-9.	1st. Term Session 1899-00.
Taking full courses.		
I. Year .....	70	91
II. Year .....	40	45
III. Year .....	31	37
IV. Year .....	6	10
Taking partial course .....	9	9
	156	192

#### UNIVERSITY STUDENTS.

	2nd Term. Session 1898-9.	1st Term. Session 1899-00.
Arts .....	14	21

The students of the School of Practical Science taking full courses are required to take University lectures in mathematics and physics. The attendance at these lectures was as follows :

	2nd Term. Session 1898-9.	1st Term. Session 1899-00.
Mathematics .....	108	139
Physics .....	108	131

The fees from the regular and occasional students of the School of Practical Science for the academic year 1898-9 were \$8,612.85, being an increase of \$2,047.35 on the fees of the previous year.

Of the above amount, \$1,351 were paid to the Bursar of the University of Toronto, under the authority of an Order-in-Council dated June 16th, 1899, and the remainder, \$7,261.85 to the Hon. the Provincial Treasurer.

The number of regular students who presented themselves for examination at the annual examinations of the academic year 1898-9 was one hundred and thirty-five. Of these 102 passed. Two candidates for special certificates passed the primary examination. The number of graduates was twenty-four. The total number of graduates to date is two hundred and thirty-six.

The following statement shows the geographical distribution of the graduates now living :

	Numbers.	Percentages.
Canada .....	168	74
United States.....	51	22
Other Countries.....	9	4
	228	100

The number of graduates who proceeded to the degree of B. A. Sc. at the University examinations of 1899 was six. The total number of graduates who have received the degree of B. A. Sc. is sixty-three.

The total number of graduates who have received the degree of O. E. in the University of Toronto is fourteen.

One graduate has proceeded to the degree of E. E. and one to the degree of M. E. (mining engineer) in the University of Toronto.

The regular courses in the School are :

- (1) Civil Engineering (including Sanitary Engineering).
- (2) Mining Engineering.
- (3) Mechanical and Electrical Engineering.
- (4) Architecture.
- (5) Analytical and Applied Chemistry.

The following statement shows the courses of lectures and practical instruction, the instructors, and the numbers of students taking the various courses :

### SUBJECTS TAUGHT BY THE FACULTY OF THE SCHOOL OF SCIENCE.

Subjects.	Instructors.	Number of Students.	
		2nd Term. Session 1898-9.	1st Term. Session 1899-00.
Organic and inorganic chemistry } Applied chemistry..... } Assaying..... }	W. H. Ellis, M.A., M.B., Professor ..... } J. W. Bain, B.A. Sc., Demonstrator ..... } A. H. A. Robinson, B.A. Sc., Fellow ..... }	149	181
Mineralogy and geology..... } Petrography..... } Metallurgy..... } Mining and ore dressing..... } German..... }	A. P. Coleman, M.A., Ph.D., Professor..... } G. R. Mickle, B.A., Lecturer ..... } M. B. Weekes, B.A. Sc., Fellow..... }	83	145
Statics..... } Dynamics..... } Strength of materials..... } Theory of construction..... } Machine design..... } Compound stress..... } Hydraulics..... } Thermodynamics and theory of } the steam engine..... } French..... }	J. Galbraith, M.A., Professor ..... } J. A. Duff, B.A., Lecturer ..... } R. W. Angus, B.A.Sc., Fellow..... }	147	185
Drawing..... } Architecture..... } Plumbing, heating and ventila- } tion..... } Mortars and cements..... } Brick and stone masonry..... }	C. H. C. Wright, B.A.Sc., Lecturer ..... } A. H. Harkness, B.A.Sc., Fellow..... }	146	177
Surveying..... } Geodesy and astronomy..... } Spherical trigonometry..... } Least squares..... } Descriptive geometry..... }	L. B. Stewart, D.T.S., Lecturer ..... } A. T. Laing, B.A.Sc., Demonstrator..... }	144	177
Electricity..... } Magnetism..... } Dynamo-electrical machinery..... } Mechanics of machinery..... } Rigid dynamics..... }	T. R. Webb, M.A., Lecturer ..... } D. A. Williamson, B.A.Sc., Fellow..... }	99	110

### SUBJECTS TAUGHT BY THE FACULTY OF THE UNIVERSITY OF TORONTO

Subjects.	Instructors.	Number of Students.	
		2nd Term. Session 1898-9.	1st Term. Session 1899-00.
Algebra..... } Euclid..... } Plane trigonometry..... } Analytical geometry..... } Calculus..... } Astronomy..... }	Alfred Baker, M.A., Professor..... } A. T. DeLury, B.A., Lecturer..... } H. J. Dawson, B.A., Fellow..... }	108	139
Sound..... } Light, heat, electricity and } magnetism..... } Hydrostatics..... }	J. London, M. A., LL.D., Professor..... } C. A. Chant, B.A., Lecturer..... } W. J. London, B.A., Demonstrator..... } J. C. McLennan, B.A., Demonstrator..... } G. R. Anderson, M.A., Lecture Assistant..... }	108	131

## GENERAL REMARKS.

## DRAFTING ROOMS.

Owing to the increased attendance the present drafting rooms (four in number) are much over-crowded, and it has in addition been found necessary to use the upper corridor as an overflow drafting room. Seventeen students are now working in this corridor under a good deal of inconvenience. Should the first year class next session prove larger than the present one it will be impossible to find accommodation in the present building for work in drafting—The division of the classes rendered necessary by the lack of accommodation renders the work of instruction both difficult and unsatisfactory. The necessity for two additional drafting-rooms is very pressing.

The rooms fitted up in the attic for photographic purposes during the past summer serve their purposes admirably.

## CHEMISTRY.

The laboratory accommodation has become quite inadequate for the number of students now in attendance. It has been found absolutely necessary to divide the classes into several divisions. The first year in practical chemistry is divided into four and the classes in analytical chemistry and assaying are also subdivided. The appointment of a Demonstrator has greatly increased the efficiency of the department but the want of accommodation prevents this increased teaching power from being employed to the best advantage.

The absence of ventilation complained of in the last report is felt more strongly than ever.

A room set apart for gas analysis and for commercial researches is badly needed. The department also requires several additional balances.

## MINERALOGY AND MINING.

During the present year a pair of rolls for dry-crushing and pulverizing was installed. Owing to the increase in the number of students and the additions which have been made from time to time in the equipment, one attendant is no longer able to perform the necessary service in the laboratories. Another attendant is now required for the work in the stamp-mill, furnace room and assay room.

The lecture room is badly in want of some means of efficient ventilation. A ventilating fan discharging into the air shaft in the corner of the room would be sufficient.

Wall cases are required in the museum for specimens now on hand, and also a few cases for additions to the mineralogical and lithological collections. The floors of the museum and lecture rooms both in mining and metallurgy require attention.

The accommodation in the blowpipe laboratory is now insufficient, necessitating the division of classes much to the detriment of efficiency.

## ELECTRICAL LABORATORY.

During the year the electrical laboratory was extended by the addition of the room adjacent to the galvanometer room. In this room the advanced work in electrical measurements will be largely done, particularly standardization of measuring instruments, testing of insulation, and alternating current measurements. Among the more important instruments purchased during the year are a potentiometer, standards of inductance and resistance, an Ayrton & Perry secohmmeter for comparison of inductance, condenser and transformer for high potential and a set of receiving apparatus for Marconi telegraphy. Besides these, several enclosed arc lamps, a three phase electric meter and other minor appliances have been added. The storage cells are now being installed in a separate room and connections made to switchboards in the other rooms.



Space elsewhere, preferably on the fourth floor, is still needed for photometric purposes and the study of arc lamp mechanism. Among the more important apparatus which it is very desirable that the School should possess is a Rowland electro-dynamometer.

#### SURVEYING, PRACTICAL ASTRONOMY, ETC.

Owing to the large increase in the number of students attending the School it has been necessary to add two transits and two levels, and also some chains, both link and band, to the present equipment. These instruments will require cases for their safe-keeping. In addition more compasses are needed in order to avoid the necessity of dividing the year or of having too many students in one party in the field. Some additional appliances are also necessary in order to complete the 100-ft. comparator, and also for gravity experiments.

It would be an improvement to have a small enclosure surmounted by an astronomical dome, built around the transit pier in the grounds.

#### TESTS OF MATERIALS.

An abrasion machine was added during the year and the laboratory is now provided with facilities for investigating the properties of building stones and road materials. Apparatus has been provided for investigating this influence of time on the strength of timber. The chief requirements are: Additional extensometers, apparatus for calibrating testing machines, apparatus for the photo-microscopy of steel, and small machines for tension and torsion.

#### NEW BUILDING.

In conclusion, it may be said that the only solution for the principal difficulties described above is the erection in the immediate future of a new building. The accommodation at present is unsatisfactory both to faculty and students, and must become more so as time goes on, with the ultimate effect of decreasing the attendance and lowering the reputation of the School.

It is proposed that a new building be erected on the lot or lots between the present School of Science grounds and College Street. This may involve the removal of Old Wycliffe College, now occupied by the Toronto Technical School. All the work now done in the older part of the School of Practical Science building, viz.: Analytical and Applied Chemistry, Mineralogy, Geology and Mining should be removed to the new building and the space thus vacated utilized for the expansion of the departments which remain. The new building should provide for the expansion in the subjects allotted to it.

It might be possible to take joint action with the University authorities and erect a building which would serve the requirements of the Arts course in Mineralogy and Geology as well as those of the School of Science in the subjects above mentioned. Should this be done it is essential that the rooms in the joint building to be occupied by the School of Science students should be entirely separate from those occupied by the Arts students.

It would be well if all the ground south and south-east of the School of Science and north of College Street were reserved for the purposes of Chemistry, Mineralogy, Geology and Mining.

J. GALBRAITH,

Principal.

Toronto, December, 1899.

## SUPERANNUATION.

*Summary for years 1882-1899.*

Year.	Number of teachers on list.	Expenditure for the year.	Gross contributions to the fund.		Amount refund to teachers.	
			\$	c.	\$	c.
1882 .....	422	51 000 00	13,501	08	3,660	10
1887 .....	454	58,295 33	1,489	00	3,815	80
1882 .....	456	63,750 60	1,313	50	786	86
1897 .....	424	62,800 33	847	00	620	27
1898 .....	420	64,351 88	1,472	00	284	58
1899 .....	423	63,682 28	1,239	00	412	00

8 teachers withdrew their subscriptions from the fund during 1899.

\*As the sum of \$4 is deducted from each Superannuated Teacher's allowance, as subscription to the fund, the payments were \$4 less in each case than given above.







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Ontario. Education, Dept. of  
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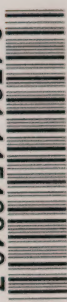
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